

# UNCLASSIFIED

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2020 Defense Information Systems Agency **Date:** March 2019

Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
0400: Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development					PE 0301144K / Joint/Allied Coalition Information Sharing							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	86.059	5.801	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
NND: Multinational Information sharing	86.059	5.801	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-

## 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 (US) 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 Atlantic 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 prioritize 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>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2020 Defense Information Systems Agency	<b>Date:</b> March 2019
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<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
Previous President's Budget	6.104	0.000	0.000	-	0.000
Current President's Budget	5.801	0.000	0.000	-	0.000
Total Adjustments	-0.303	0.000	0.000	-	0.000
• Congressional General Reductions	-0.122	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.181	-			

**Change Summary Explanation**

The decrease in FY 2018 is due to the congressional general reduction Federally Funded Research & Development Centers (FFRDC) of -\$0.122 and the decrease -\$0.181 reflects a transfer of funding to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs.

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Defense Information Systems Agency										Date: March 2019		
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
NND: Multinational Information sharing	86.059	5.801	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
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 United States (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 US, 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)**

	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
<b>Title:</b> Multinational Information Sharing	5.801	-	-
<b>Description:</b> 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. The MNIS			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2020 Defense Information Systems Agency										<b>Date:</b> March 2019		
<b>Appropriation/Budget Activity</b> 0400 / 7				<b>R-1 Program Element (Number/Name)</b> PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>				<b>Project (Number/Name)</b> NND / <i>Multinational Information sharing</i>				
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>										<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Program also initiated a 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.												
<b>Accomplishments/Planned Programs Subtotals</b>										5.801	-	-
<b>C. Other Program Funding Summary (\$ in Millions)</b>												
<b>Line Item</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	
• O&M, DW/0301144K: <i>O&amp;M, DW</i>	45.562	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-	
• Proc, DW/0301144K: <i>Proc, DW</i>	0.708	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-	
<b>Remarks</b>												
<b>D. Acquisition Strategy</b>												
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 businesses, 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.												
<b>E. Performance Metrics</b>												
Measure:												
-% of design, testing and integration activities for MNIS classified technology refresh projects complete (9 Nodes) – 100%												
Performance Metric:												
-Information Assurance (Classified)												
FY18 Estimate: Expected to Meet / Actual: 100% Completed												
Methodology:												
-Technology Refreshes Projects – 100%												
-Direct traffic with 99.99% accuracy for chat, email, Voice over Internet Protocol (VOIP), file transfer, data storage and web service.												
Measure:												
-Number of CFBLNet Exercises/Events hosted												

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2020 Defense Information Systems Agency		<b>Date:</b> March 2019
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>	<b>Project (Number/Name)</b> NND / <i>Multinational Information sharing</i>
<p>Performance Metric:</p> <p>-Annual number of CFBLNet Exercises hosted <math>\geq</math> 2 Exercises Hosted (Empire Challenge &amp; Coalition Warrior Interoperability eXploration, eXperimentation, eXamination, eXercise (CWIX))</p> <p>FY18 Estimate: Expected to Meet / Actual: 2 Exercises Completed</p> <p>-Annual number of Test Bed Exercise <math>\geq</math> 16 Test Events Hosted (Estimate): Met</p> <p>FY18 Estimate: Expected to Meet / Actual: 100% Completed</p> <p>Methodology:</p> <p>-Number of exercises hosted per Fiscal Year</p> <p>Measure:</p> <p>Cloud integration, Development, Integration, Testing (Unclassified)</p> <p>Performance Metric:</p> <p>% of Cloud Development, Testing, Integration and Implementation Complete = 100%</p> <p>FY18 Estimate: Expected to Meet / Actual: 100% Completed</p>		

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2020 Defense Information Systems Agency												<b>Date:</b> March 2019			
<b>Appropriation/Budget Activity</b> 0400 / 7						<b>R-1 Program Element (Number/Name)</b> PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>						<b>Project (Number/Name)</b> NND / <i>Multinational Information sharing</i>			
<b>Product Development (\$ in Millions)</b>				<b>FY 2018</b>		<b>FY 2019</b>		<b>FY 2020 Base</b>		<b>FY 2020 OCO</b>		<b>FY 2020 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Cross Domain Solutions Ops Capabilities Spt	C/CPFF	HAI/Raytheon : Alexandria, VA	11.781	-		-		-		-		-	0.000	11.781	-
Cross Domain Chat - develop & tech services	C/CPFF	Harris Corporation : Alexandria, VA	15.149	-		-		-		-		-	0.000	15.149	-
Cross Domain Solutions -- operational capabilities support	C/CPFF	CACI : Chantilly, VA	0.650	-		-		-		-		-	0.000	0.650	-
<b>Subtotal</b>			27.580	-		-		-		-		-	0.000	27.580	N/A
<b>Support (\$ in Millions)</b>				<b>FY 2018</b>		<b>FY 2019</b>		<b>FY 2020 Base</b>		<b>FY 2020 OCO</b>		<b>FY 2020 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Federally Funded Research Develop Center (FFRDC)	C/CPFF	MITRE : Arlington VA	9.128	0.329	Oct 2017	-		-		-		-	0.000	9.457	-
Program Support	C/CPFF	Ingenium and SAIC : Upper Marlboro & DC	1.522	-		-		-		-		-	0.000	1.522	-
Engineering Support	C/CPFF	Raytheon : Arlington, VA	9.580	-		-		-		-		-	0.000	9.580	-
DoD Services	MIPR	Various -- SPAWAR and Pacific : Warfighting Ctr Hawaii	4.110	-		-		-		-		-	0.000	4.110	-
Project Planning and Managment	C/CPFF	Harris Corporation : Alexandria, VA	5.315	-		-		-		-		-	0.000	5.315	-
Engineering Support	C/CPFF	CACI : Chantilly, VA	1.068	-		-		-		-		-	0.000	1.068	-
Project Planning	C/CPFF	SPAWAR : San Diego	1.892	-		-		-		-		-	0.000	1.892	-
Engineering Support	C/CPIF	ARMDEC : Redstone Arsenal, AL	3.689	-		-		-		-		-	0.000	3.689	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Defense Information Systems Agency												Date: March 2019			
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					
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	-		-		-		-		-	0.000	9.069	-
Engineering Support	C/CPFF	BAH : McLean, VA	-	0.721	May 2018	-		-		-		-	0.000	0.721	-
Engineering T&E Hardware	C/CPFF	Primere : Primere	-	0.612	Jul 2018	-		-		-		-	0.000	0.612	-
Coalition T&E	C/CPFF	JITC : Ft. Meade	-	0.769	Jan 2018	-		-		-		-	0.000	0.769	-
SETA Engineering	C/FFP	BAH : McLean	-	0.600	Sep 2018	-		-		-		-	0.000	0.600	-
Engineering Support	MIPR	Various - SPAWAR and Pacific Warfighting Ctr : Hawaii	-	2.576	Nov 2017	-		-		-		-	0.000	2.576	-
Engineering Support	C/CPFF	Soliel : Vienna, VA	-	0.194	Jul 2018	-		-		-		-	0.000	0.194	-
Subtotal			45.373	5.801		-		-		-		-	0.000	51.174	N/A
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	13.106	-		-		-		-		-	0.000	13.106	-
Subtotal			13.106	-		-		-		-		-	0.000	13.106	N/A
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			86.059	5.801		0.000		-		-		-	0.000	91.860	N/A
Remarks															

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2020 Defense Information Systems Agency										<b>Date:</b> March 2019			
<b>Appropriation/Budget Activity</b> 0400 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>					<b>Project (Number/Name)</b> NND / <i>Multinational Information sharing</i>			

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	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
<b>MULTINATIONAL INFORMATION SHARING (MNIS) - Current Systems</b>																												
CENTRIX Capability																												
CMNT																												
JITC Testing Security/C&A																												
CFBLNet																												
UIS																												

	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	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
<b>MULTINATIONAL INFORMATION SHARING (MNIS) - Current Systems</b>																												
CENTRIX Capability																												
CMNT																												
JITC Testing Security/C&A																												
CFBLNet																												
UIS																												



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2020 Defense Information Systems Agency			<b>Date:</b> March 2019
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0301144K / <i>Joint/Allied Coalition Information Sharing</i>	<b>Project (Number/Name)</b> NND / <i>Multinational Information sharing</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>MULTINATIONAL INFORMATION SHARING (MNIS) - Current Systems</i></b>				
CENTRIX Capability	1	2017	4	2018
CMNT	1	2017	4	2018
JITC Testing Security/C&A	1	2017	4	2018
CFBLNet	1	2017	4	2018
UIS	1	2017	4	2018