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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force										Date: February 2018		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0305601F I Mission Partner Environments							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	10.074	0.000	10.074	8.550	9.076	9.593	10.582	Continuing	Continuing
643783: CENTRIXs Networks	-	0.000	0.000	10.074	0.000	10.074	8.550	9.076	9.593	10.582	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 4, PE 0305601F, project 643783, Mission Partner Environment, is a new start.

Program transitioned from Defense Information Systems Agency (DISA) to USAF in FY19.

PE 0305601F (Mission Partner Environment), changed from PE 0301144K, (Joint/Allied Coalition Information Sharing).

Project 643783 (CENTRIXs Networks), changed from Project NND (Multinational Information Sharing).

A. Mission Description and Budget Item Justification

Mission Partner Environment (MPE) enables secure sharing of operational information for collaboration between and among the U.S. and mission partners to include federal, State, local, and tribal agencies, allies, coalition members, host nations, and other nations, United States and international Non-Governmental Organizations, multinational treaty organizations, and private sector organizations. The MPE program enables the United States (US) Department of Defense (DoD) to execute its assigned missions with mission partners across the complete ranges and phases of military operations to assist combined command and control (C2) of coalition forces while meeting the information sharing requirements within existing bi-lateral and multi-lateral agreements. Also, it promotes effective information exchange and provides applications to enable effective use of the United States and Partner nation military power. MPE provides the warfighter mission with technology to improve mission effectiveness and cyber security.

In response to program decision memorandum, funding for Mission Partner Environment transferred the capabilities the Combined Enterprise Regional Information Exchange System (CENTRIXS), Pegasus, the Multinational Information Sharing (MNIS) program, the All Partners Access Network (APAN), and the Combined Federal Battle Labs Network (CBFLNet) to the Mission Partner Environment Program. MPE enables secure sharing of operational information and enhances collaboration between the US forces, and trusted allies and other multinational partners. This effort also increases overall combat effectiveness by leveraging capabilities and information from all partners. FY2019 funding procures hardware and software to support the consolidation of a common mission network capability that supports operations with the Mission Partners environment.

This funding will deliver procedures, workstations, switches, servers, cross-domain solutions, communications infrastructure, video teleconference suites, network equipment, storage and backup, encryption equipment, software licenses, infrastructure, deployable suites and software communications. Variations in quantity and unit price reflect planned capital investment.

This program is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P) because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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B. Program Change Summary (\$ in Millions)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total		
Previous President's Budget		0.000	0.000	0.000	0.000	0.000		
Current President's Budget		0.000	0.000	10.074	0.000	10.074		
Total Adjustments		0.000	0.000	10.074	0.000	10.074		
• Congressional General Reductions		0.000	0.000					
• Congressional Directed Reductions		0.000	0.000					
• Congressional Rescissions		0.000	0.000					
• Congressional Adds		0.000	0.000					
• Congressional Directed Transfers		0.000	0.000					
• Reprogrammings		0.000	0.000					
• SBIR/STTR Transfer		0.000	0.000					
• Other Adjustments		0.000	0.000	10.074	0.000	10.074		
Change Summary Explanation								
Program transitioned from Defense Information Systems Agency (DISA) to USAF in FY19.								
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: Mission Partner Environment				0.000	0.000	10.074	0.000	10.074
Description: 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.								
FY 2018 Plans: N/A								
FY 2019 Base Plans: Funds will support development, integration and testing of core C2 mission capabilities, capacities and integration into the cross national, cross organizational, and cross domain accreditation for C2 mission capabilities, and continuity of operations for enterprise services.								

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C. Accomplishments/Planned Programs (\$ in Millions)											
					FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total		
Work will include the development, integration and testing of an enterprise architectural engineering solution to combine multiple coalition information sharing capabilities into a single Mission Partner Environment, to include modifications necessary to absorb legacy systems capabilities and capacities.											
FY 2019 OCO Plans: No OCO funds											
FY 2018 to FY 2019 Increase/Decrease Statement: Program transitioning from Defense Information Systems Agency (DISA) to USAF											
Accomplishments/Planned Programs Subtotals					0.000	0.000	10.074	0.000	10.074		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
• O&M 0305601F: <i>Mission Partner Environment</i>	0.000	0.000	95.103	-	95.103	80.910	85.795	90.576	99.981	Continuing	Continuing
• OPAF 03 0305601F: <i>Mission Partner Environment</i>	0.000	0.000	1.873	-	1.873	1.585	1.680	1.775	1.958	Continuing	Continuing
Remarks											
Other Procurement funding will:											
- Procure the hardware and software needed to establish capabilities as a core infrastructure and enterprise for the Command and Control component of the MPE.											
- Procure work stations, enterprise hardware and software, security accreditation, and network connections supporting strategic, operational and forward deployed warfighting forces in multiple theaters.											
- Provide enhanced capabilities for coalition information sharing capabilities.											
Program transitioned from Defense Information Systems Agency (DISA) to USAF in FY19.											
E. 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.											

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F. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force												Date: February 2018			
Appropriation/Budget Activity 3600 / 4						R-1 Program Element (Number/Name) PE 0305601F / <i>Mission Partner Environments</i>						Project (Number/Name) 643783 / <i>CENTRIXs Networks</i>			

Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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 Doman Solution Ops Capabiliites	C/CPFF	TBD : TBD, VA	-	-		-		10.074	Mar 2018	-		10.074	Continuing	Continuing	-	
Subtotal			-	-		-		10.074		-		10.074	Continuing	Continuing	N/A	

			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		0.000		10.074		-		10.074	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Air Force

Date: February 2018

Appropriation/Budget Activity

3600 / 4

R-1 Program Element (Number/Name)

PE 0305601F / Mission Partner
Environments

Project (Number/Name)

643783 / CENTRIXs Networks

FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
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

Development, testing of capabilities, and integration of capacities into mission capabilities with continuity of operations for enterprise services

Mission Partner Environmnet

Development, integration & testing of an architectural engineering solution to combine coalition sharing capabilities into a single environment, to modify legacy systems capabilities and capacities

Mission Partner Environmnet

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force		Date: February 2018
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0305601F / <i>Mission Partner Environments</i>	Project (Number/Name) 643783 / <i>CENTRIXs Networks</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Development, testing of capabilities, and integration of capacities into mission capabilities with continuity of operations for enterprise services</i>				
Mission Partner Environmnet	1	2019	3	2023
<i>Development, integration & testing of an architectural engineering solution to combine coalition sharing capabilities into a single environment, to modify legacy systems capabilities and capacities</i>				
Mission Partner Environmnet	1	2019	3	2023