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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607700N I (U)Deployable Joint Command and Control							
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	2.834	3.093	3.127	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	9.054
3050: Deployable JT Command and Control	2.834	3.093	3.127	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	9.054

Note

Funding for the following project has been realigned out of PE 0607700N into PE 0604231N as part of Program Element Consolidation starting in FY20: Project 3050 (Deployable JT Command and Control).

A. Mission Description and Budget Item Justification

Deployable Joint Command and Control (DJC2) provides a self-contained, standardized, rapidly deployable, modular, scalable, and reconfigurable joint command and control (C2) capability to designated Geographic Combatant Commands (GCCs). DJC2 is the materiel solution to Defense Planning Guidance that called for the development of standing Joint Task Forces (JTFs) with a deployable C2 capability. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and JFCs a mission critical, integrated family of systems with which to plan, control, coordinate, execute, and assess operations. It is designed to deploy rapidly, set up within hours, and quickly provide necessary C2 mission and collaboration functionality across the full spectrum of JTF operations. The DJC2 has also been deployed in support of Humanitarian Assistance and Disaster Relief (HA/DR) efforts. The capability is intended for all levels of conflict and will be reconfigurable to meet specific GCC and JTF mission requirements. This capability is interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.

B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	3.137	3.127	3.161	-	3.161
Current President's Budget	3.093	3.127	0.000	-	0.000
Total Adjustments	-0.044	0.000	-3.161	-	-3.161
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.044	0.000			
• Rate/Misc Adjustments	0.000	0.000	-3.161	-	-3.161

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0607700N / (U)Deployable Joint Command and Control				Project (Number/Name) 3050 / Deployable JT Command and Control			
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
3050: Deployable JT Command and Control	2.834	3.093	3.127	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	9.054
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Deployable Joint Command and Control (DJC2) provides a self-contained, standardized, rapidly deployable, modular, scalable, and reconfigurable joint command and control (C2) capability to designated Geographic Combatant Commands (GCCs). DJC2 is the materiel solution to Defense Planning Guidance that called for the development of standing Joint Task Forces (JTFs) with a deployable C2 capability. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and JFCs a mission critical, integrated family of systems with which to plan, control, coordinate, execute, and assess operations. It is designed to deploy rapidly, set up within hours, and quickly provide necessary C2 mission and collaboration functionality across the full spectrum of JTF operations. The DJC2 has also been deployed in support of Humanitarian Assistance and Disaster Relief (HA/DR) efforts. The capability is intended for all levels of conflict and will be reconfigurable to meet specific GCC and JTF mission requirements. This capability is interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces. Note that DJC2 is not a follow-on or replacement system for the Joint Global Command and Control Systems (GCCS-J); rather, DJC2 employs a GCCS in its suite of applications, ensuring interoperability with the worldwide-installed base of GCCS-J.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Title: Systems Engineering & Integration	1.308	1.398	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2019 Plans: Continue to develop system enhancements in support of Information Assurance, Assured Command & Control, Common Expeditionary and Shore Baseline (CESB) Enhancement / migration to a common infrastructure and C2ISR application baseline. Align common system architecture with Joint Information Environment (JIE) and Tactical Packet Network (TPN) supporting leverage of common capabilities. Initiate enclave consolidation leveraging data tagging and tagged authorization and authentication for enclave access. Enhance satellite communication Unified Net centric System Modernizing Teleport Step Sites and disconnected, intermittent and latent available cloud capabilities.					
FY 2020 Base Plans: FY20 funding has been realigned to PE 0604231N Project 3050 as part of PE Consolidation.					
FY 2020 OCO Plans:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
N/A					
<i>FY 2019 to FY 2020 Increase/Decrease Statement:</i> Program decrease is due to realigning funds as part of PE Consolidation. FY20 justification and change explanation is provided under PE 0604231N Project 3050. There are no significant changes to the request from FY19 to FY20.					
<i>Title:</i> DJC2 RDT&E Test Bed	1.785	1.729	0.000	0.000	0.000
<i>Articles:</i>	-	-	-	-	-
<i>FY 2019 Plans:</i> Continue testing in support of enhanced Information Assurance to include Automated Cyber Security testing, automated system vulnerability patching download, and system microsegmentation. Demonstrate Cloud Service Automated Patching/Cloud services and Commercial Solution for Classified Multi-Tenant Environment Replacing Type 1 Encryption. Refine and test Disconnected, Interrupted, and Low-bandwidth (DIL) tolerant access to support automated system patching, as-needed remote system access, automated system download from in-garrison cloud, and re-synch with cloud after deployment.					
<i>FY 2020 Base Plans:</i> FY20 funding has been realigned to PE 0604231N Project 3050 as part of PE Consolidation.					
<i>FY 2020 OCO Plans:</i> N/A					
<i>FY 2019 to FY 2020 Increase/Decrease Statement:</i> Program decrease is due to realigning funds as part of PE Consolidation. FY20 justification and change explanation is provided under PE 0604231N Project 3050. There are no significant changes to the request from FY19 to FY20.					
Accomplishments/Planned Programs Subtotals	3.093	3.127	0.000	0.000	0.000

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

<u>Line Item</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020 Base</u>	<u>FY 2020 OCO</u>	<u>FY 2020 Total</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPN /2906: DJC2	40.079	42.010	36.226	-	36.226	29.230	29.576	30.152	30.754	Continuing	Continuing

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C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
Remarks											
Funding for FY20-FY24 has been realigned to PE 0604231N Project 3050 as part of PE Consolidation.											
D. Acquisition Strategy											
This RDT&E line supports an evolutionary acquisition strategy. The intent of this strategy is to: develop a system based upon a current understanding of joint requirements; rapidly field systems based upon those requirements; analyze operational utilization of the systems; and roll the results of the analysis into periodic upgrades of the systems to maintain currency and maximize operational effectiveness. Efforts include investigation of emerging technologies through study, development, and associated testing for feasibility of program insertion. The baseline configuration is based upon existing Command, Control, Communications, Computers, & Intelligence (C4I) systems, scaled to the Combatant Command level. The follow-on configurations will include newly developed capabilities based on emergent, joint requirements and operational feedback based upon utilization of earlier delivered systems. Ultimately, the goal is to perform quick and affordable integration of emergent transformational COTS and GOTS technologies in support of information warfare and overall efforts required to pace the threat. This is accomplished via technical analyses and engineering efforts associated with implementation of new technology to enable rapid introduction of new products and technology, prevent obsolescence, and end of support issues enhancements via incremental software & hardware upgrades delivered on annual build release											
E. Performance Metrics											
The Deployable Joint Command and Control (DJC2) program continues to identify, evaluate and test a minimum of 3 - 5 new technologies per year based on emergent / joint requirements for potential insertion into the DJC2 system upgrade plan.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy												Date: March 2019			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0607700N / (U)Deployable Joint Command and Control					Project (Number/Name) 3050 / Deployable JT Command and Control				
Product Development (\$ 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
Systems Engineering	WR	NSWC : PCD	0.685	0.727	Dec 2017	0.734	Dec 2018	0.000		-		0.000	0.000	2.146	-
Hardware/Software Development	C/CPAF	GTRI : ATLANTA, GA	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Subtotal			0.685	0.727		0.734		0.000		-		0.000	0.000	2.146	N/A
Remarks FY20 cost data is provided under PE 0604231N Project 3050.															
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
Software Integration	WR	NSWC : PCD	0.347	0.404	Dec 2017	0.404	Dec 2018	0.000		-		0.000	0.000	1.155	-
Subtotal			0.347	0.404		0.404		0.000		-		0.000	0.000	1.155	N/A
Remarks FY20 cost data is provided under PE 0604231N Project 3050.															
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
Developmental Test & Evaluation	WR	NSWC : PCD	0.800	0.810	Dec 2017	0.885	Dec 2018	0.000		-		0.000	0.000	2.495	-
Operational Test & Evaluation	WR	NSWC : PCD	0.814	0.964	Dec 2017	0.934	Dec 2018	0.000		-		0.000	0.000	2.712	-
Subtotal			1.614	1.774		1.819		0.000		-		0.000	0.000	5.207	N/A
Remarks FY20 cost data is provided under PE 0604231N Project 3050.															

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Management Services (\$ 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
Program Management Support	WR	SSC PAC : San Diego, CA	0.188	0.188	Dec 2017	0.170	Dec 2018	0.000		-		0.000	0.000	0.546	-
Subtotal			0.188	0.188		0.170		0.000		-		0.000	0.000	0.546	N/A
Remarks															
FY20 cost data is provided under PE 0604231N Project 3050.															
			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			2.834	3.093		3.127		0.000		-		0.000	0.000	9.054	N/A
Remarks															
FY20 cost data is provided under PE 0604231N Project 3050.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy										Date: March 2019			
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	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
Proj 3050																												
System Development: Developmental Test/ Operational Test FY 2018																												
System Development: Developmental Test/ Operational Test FY 2019																												
Production: DJC2 System Enhancements: DJC2 System Enhancement Deliveries																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Navy		Date: March 2019
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3050				
System Development: Developmental Test/Operational Test FY 2018	3	2018	3	2018
System Development: Developmental Test/Operational Test FY 2019	3	2019	3	2019
Production: DJC2 System Enhancements: DJC2 System Enhancement Deliveries	1	2018	4	2019