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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Defense Information Systems Agency **Date:** April 2022

<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 0305251K / <i>Cyberspace Operations Forces and Force Support</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	2.497	-	2.497	0.000	0.000	0.000	0.000	Continuing	Continuing
JH1: <i>JFHQ-DODIN Operations</i>	-	0.000	0.000	2.497	-	2.497	0.000	0.000	0.000	0.000	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

Data Science/Data Engineering Analytics Capability Support (\$2.4M) JFHQ-DODIN utilizes this capability to architect and orchestrate tools leveraging the latest advancements in data and information science. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled and the capacity to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain. This allows the cyber environment to exploit known vulnerabilities and track on-going discovery of zero-days, while shifting attack of MCAs rendering information sharing agreements as moot. The command requires a strategic architectural plan to integrate capabilities, maneuver to acquire relevant data and information necessary to automate reporting, derive situational understanding and direct defensive cyber operations (DCO). JFHQ-DODIN will acquire domain expertise to develop a software vulnerabilities classification strategy, severity metrics and corresponding prototype vulnerability detection tool for improved vulnerability discovery and mitigation.

**B. Program Change Summary (\$ in Millions)**

	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023 Base</u>	<u>FY 2023 OCO</u>	<u>FY 2023 Total</u>
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	2.497	-	2.497
Total Adjustments	0.000	0.000	2.497	-	2.497
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	-	-	2.497	-	2.497

**Change Summary Explanation**

FY 2023 funding increase reflects the fact that the FY2022 President's Budget request did not include out-year funding.

The increase of \$2.497 is for a new requirement to begin in FY 2023 to assist JFHQ DODIN in executing its mission to command and control, plan, direct, coordinate, integrate and synchronize the DoD's Information Network (DoDIN) operations and Defensive Cyber Operations-Internal Defensive Measures (DCO-IDM) globally.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2023 Defense Information Systems Agency **Date:** April 2022

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305251K / <i>Cyberspace Operations Forces and Force Support</i>	<b>Project (Number/Name)</b> JH1 / <i>JFHQ-DODIN Operations</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JH1: <i>JFHQ-DODIN Operations</i>	-	0.000	0.000	2.497	-	2.497	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Data Science/Data Engineering Analytics Capability Support (\$2.4M) JFHQ-DODIN utilizes this capability to architect and orchestrate tools leveraging the latest advancements in data and information science. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled and the capacity to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain. This allows the cyber environment to exploit known vulnerabilities and track on-going discovery of zero-days, while shifting attack of MCAs rendering information sharing agreements as moot. The command requires a strategic architectural plan to integrate capabilities, maneuver to acquire relevant data and information necessary to automate reporting, derive situational understanding and direct defensive cyber operations (DCO).

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

	FY 2021	FY 2022	FY 2023
<b>Title:</b> DODIN Intelligence Driven Operations	-	-	2.497
<b>Description:</b> Data Science/Data Engineering Analytics Capability Support (\$2.4M) JFHQ-DODIN utilizes this capability to architect and orchestrate tools leveraging the latest advancements in data and information science. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled and the capacity to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain. This allows the cyber environment to exploit known vulnerabilities and track on-going discovery of zero-days, while shifting attack of MCAs rendering information sharing agreements as moot. The command requires a strategic architectural plan to integrate capabilities, maneuver to acquire relevant data and information necessary to automate reporting, derive situational understanding and direct defensive cyber operations (DCO).			
<b>FY 2023 Plans:</b> JFHQ-DODIN will acquire domain expertise to develop a software vulnerabilities classification strategy, severity metrics and corresponding prototype vulnerability detection tool for improved vulnerability discovery and mitigation.			
<b>FY 2022 to FY 2023 Increase/Decrease Statement:</b> The increase of \$2.497 from FY 2022 and FY 2023 is for the initial acquisition of Software Engineering Institute Computer Emergency Response Team (CERT) support to rapidly mature JFHQ-DODIN's defensive architecture strategies, processes, and capabilities. Subject Matter Experts will provide strategic planning, expert guidance, and novel tool concepts to enhance the command's ability to mature and not be out matched by contemporary adversaries.			
<b>Accomplishments/Planned Programs Subtotals</b>	-	-	2.497

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**C. Other Program Funding Summary (\$ in Millions)**  
N/A

**Remarks**

**D. Acquisition Strategy**  
N/A



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2023 Defense Information Systems Agency		<b>Date:</b> April 2022
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305251K / <i>Cyberspace Operations Forces and Force Support</i>	<b>Project (Number/Name)</b> JH1 / <i>JFHQ-DODIN Operations</i>

FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
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

***Data Science/Data Engineering Analytics Capability Support***

Data Science/Data Engineering Analytics Capability Support



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Defense Information Systems Agency		<b>Date:</b> April 2022
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305251K / <i>Cyberspace Operations Forces and Force Support</i>	<b>Project (Number/Name)</b> JH1 / <i>JFHQ-DODIN Operations</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Data Science/Data Engineering Analytics Capability Support</i></b>				
Data Science/Data Engineering Analytics Capability Support	1	2022	4	2024