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**Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3620F: Research, Development, Test & Evaluation, Space Force I BA 7: Operational Systems Development	<b>R-1 Program Element (Number/Name)</b> PE 1203620SF I National Space Defense Center
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	1.280	2.659	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.939
670004: OTHER STRATCOM ACTIVITIES	-	1.280	2.659	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.939
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

This program develops and integrates Battle Management and Command and Control (BMC2) applications for the Joint Task Force - Space Defense (JTF-SD). JTF-SD is one of two subordinate commands to USSPACECOM and has the responsibility to protect and defend space assets from both terrestrial and space-based threats. The JTF-SD executes its mission through its operations center, the National Space Defense Center (NSDC) which was previously referred to as the Joint Interagency Combined Space Operations Center. NSDC efforts include integrating hardware and software prototypes to support various networks developed by mission partners and integrating applications developed by the Space C2 program to ensure relevant and accurate situational awareness to mission partners. NSDC also conducts early prototyping efforts to inform JTF-SD's ability to generate informed BMC2 and space superiority requirements for the acquisition community. The JTF-SD (and NSDC) allows the national security space community to effectively respond to space threat events and will have the capability to develop, test, and integrate new space system tactics, techniques and procedures (TTPs) in support of both DoD and Intelligence Community operations.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	1.280	2.856	0.000	0.000	0.000
Current President's Budget	1.280	2.659	0.000	0.000	0.000
Total Adjustments	0.000	-0.197	0.000	0.000	0.000
• Congressional General Reductions	0.000	-0.197			
• 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	0.000	0.000	0.000

**Change Summary Explanation**

FY 2023: -0.197M for congressionally-directed Federally Funded Research and Development Center (FFRDC) reduction.

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Title:</b> Application Development</p> <p><b>Description:</b> Develop and field Space Battle Management Command and Control capabilities.</p> <p><b>FY 2023 Plans:</b> FY 2023 Plans: Continue to analyze, assess, and provide operations center support for mission partner and Intelligence Community networks. Partner with test agency to perform developmental and operational test activities and shadow operations for agile DevOps environment. Increase integration efforts for Space C2 applications. Implement system resiliency and situational awareness capability necessary to operate in the contested space domain. Activities may include, but are not limited to program office support, studies, technical analysis, experimentation, and prototyping.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY 2024 decreased compared to FY 2023 due to the completion of these activities in this Program.</p>		1.280	2.659	-
<b>Accomplishments/Planned Programs Subtotals</b>		1.280	2.659	-
<b>D. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>E. Acquisition Strategy</b>				
NSDC provides funds to Department of the Air Force, DoD, and other partner organizations to execute on their contracts in support of NSDC requirements. Additionally, NSDC funding secures contract support to develop and document the technical baseline and support major test and transition activities during each fiscal year.				

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3620F / 7	<b>R-1 Program Element (Number/Name)</b> PE 1203620SF / National Space Defense Center	<b>Project (Number/Name)</b> 670004 / OTHER STRATCOM ACTIVITIES
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<b>Product Development (\$ in Millions)</b>				<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</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>			
SHADOW OPERATIONS CENTER DEVELOPMENT	Various	Various : Colorado Springs, CO	-	-		-		-		-		-	0.000	0.000	-
BMC2 APPLICATION DEVELOPMENT AND INTEGRATION	Various	Various: : Colorado Springs, CO	-	0.600	Mar 2022	1.159	Jan 2023	-		-		-	Continuing	Continuing	-
SYSTEM ENGINEERING	Various	Various: : Colorado Springs, CO	-	0.330	May 2022	0.500	Dec 2022	-		-		-	0.000	0.830	-
<b>Subtotal</b>			-	0.930		1.659		-		-		-	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</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>			
A&AS	Various	Various: : Colorado Springs, CO	-	0.250	Apr 2022	0.600	Jan 2023	-		-		-	Continuing	Continuing	-
FFRDC	RO	Various: : Colorado Springs, CO	-	0.100	Mar 2022	0.400	Jan 2023	-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			-	0.350		1.000		-		-		-	Continuing	Continuing	N/A

<b>Project Cost Totals</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
	-	1.280	2.659	-	-	-	Continuing	Continuing	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Air Force</b>		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3620F / 7	<b>R-1 Program Element (Number/Name)</b> PE 1203620SF / <i>National Space Defense C</i> <i>enter</i>	<b>Project (Number/Name)</b> 670004 / <i>OTHER STRATCOM ACTIVITIES</i>

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
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><i>NSDC INFRASTRUCTURE</i></b>	
SUSTAINMENT/SUPPORT	
<b><i>BMC2 APPLICATION DEVELOPMENT AND INTEGRATION</i></b>	
APPLICATION DEVELOPMENT	

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>NSDC INFRASTRUCTURE</i></b>				
SUSTAINMENT/SUPPORT	1	2022	4	2023
<b><i>BMC2 APPLICATION DEVELOPMENT AND INTEGRATION</i></b>				
APPLICATION DEVELOPMENT	1	2022	4	2023