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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Air Force **Date:** April 2022

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0306415F / <i>Enabled Cyber Activities</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	-	10.166	24.359	16.728	0.000	16.728	0.000	0.000	0.000	0.000	Continuing	Continuing
646008: <i>US Cyber Command Technology Development</i>	-	10.166	24.359	16.728	0.000	16.728	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

US Cyber Command's (USCYBERCOM) mission is to deter or defeat strategic threats to US interests and infrastructure, provide mission assurance for the operations and defense of the Department of Defense information environment, and support the achievement of joint force commander objectives.

USCYBERCOM develops or procures capabilities to enable Electronic Warfare and cyber-peculiar technologies for use by the Cyber Mission Forces (CMF).

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY21 \$0.000M was expended for civilian pay expenses in this program element, and in FY22 \$0.000M is forecasted for civilian pay expenses in this program element.

The FY 2023 funding request was reduced by \$3.615 million to account for the availability of prior year execution balances.

The specific details and aspects of these cyber activities are classified and will be provided on a need-to-know basis.

This effort 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>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
Previous President's Budget	10.541	16.578	0.000	0.000	0.000
Current President's Budget	10.166	24.359	16.728	0.000	16.728
Total Adjustments	-0.375	7.781	16.728	0.000	16.728
• 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	-0.375	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	7.781	16.728	0.000	16.728

**Change Summary Explanation**

The FY 2022 Appropriations Law, Division N--Ukraine Supplemental, Title III added \$7.781M to PE 0306415F.

The FY 2022 President's Budget submittal did not reflect FY 2023 through FY 2026 funding. Therefore, an explanation of the change between the two budget positions for FY2023 cannot be made in a relevant manner.

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<p><b>Title:</b> Cyber Technology Development</p> <p><b>Description:</b> Adapted Electronic Warfare (EW) technology to facilitate the development and delivery of EW and cyber-peculiar capabilities.</p> <p>The origin, details and specific aspects of these efforts are classified.</p> <p><b>FY 2022 Plans:</b> Continue to adapt EW technology and cyber-peculiar capabilities to gain access to targeted enemy forces.</p> <p>Continue to enhance the open source Open CPI framework that will allow the services and USCYBERCOM to develop Title 10 off-net effects.</p> <p>Continue to migrate segregated capabilities and Cyber/EW weapons systems onto Common Attack Platforms by implementing common frameworks and common hosting solutions.</p>	10.166	24.359	16.728

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>		<b>R-1 Program Element (Number/Name)</b> PE 0306415F / <i>Enabled Cyber Activities</i>		
<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<p>The specific details and aspects of these cyber activities are classified and will be provided on a need-to-know basis.</p> <p><b>FY 2023 Plans:</b> Will continue to adapt EW technology and cyber-peculiar capabilities to gain access to targeted enemy forces.</p> <p>Will continue to enhance the open source Open CPI framework that will allow the services and USCYBERCOM to develop Title 10 off-net effects.</p> <p>Will continue to migrate segregated capabilities and Cyber/EW weapons systems onto Common Attack Platforms by implementing common frameworks and common hosting solutions.</p> <p>The specific details and aspects of these cyber activities are classified and will be provided on a need-to-know basis.</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b> Funding decreased to the program baseline level established prior to inclusion of FY 2022 Appropriations Law supplemental funding for Ukraine.</p>				
<b>Accomplishments/Planned Programs Subtotals</b>		10.166	24.359	16.728
<b>D. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>E. Acquisition Strategy</b>				
Facilitate the delivery of new Electronic Warfare (EW) cyber capability, by applying innovative solutions for existing and emerging technologies. Contracts are awarded under full and open competition whenever possible. Variations of both Fixed Price (FP) and Cost Plus (CP) contracting vehicles will be executed and managed by USCYBERCOM Acquisition authority, as well as various Service Component contracting offices, other Defense Agency contracting offices and the National Security Agency contracting offices.				





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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Air Force		<b>Date:</b> April 2022
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0306415F / <i>Enabled Cyber Activities</i>	<b>Project (Number/Name)</b> 646008 / <i>US Cyber Command Technology Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Electronic Warfare (EW) Capabilities</i></b>				
EW Capability Spiral (annual)	1	2021	4	2023
SATCOM Capability Spiral (annual)	1	2021	4	2023
Communications Capabiliy Spiral (annual)	1	2021	4	2023

**Note**

In response to Section 1507 of the FY22 NDAA, the FY24+ funds for PE 0306415F will be transferred to USCYBERCOM to be responsible for the planning, programming, budgeting, and execution of the resources.