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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2019 Air Force	<b>Date:</b> February 2018
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<b>Appropriation/Budget Activity</b>					<b>R-1 Program Element (Number/Name)</b>							
3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>					PE 0306415F / <i>Enabled Cyber Activities</i>							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	15.842	16.687	16.325	0.000	16.325	16.632	16.917	17.268	17.582	Continuing	Continuing
646008: <i>US Cyber Command Technology Development</i>	-	15.842	16.687	16.325	0.000	16.325	16.632	16.917	17.268	17.582	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).

The specific details and aspects of these cyber activities are classified and will be provided on a need-to-know basis. Please contact USCYBERCOM at 443-634-7725.

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.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>
Previous President's Budget	15.842	16.687	16.448	0.000	16.448
Current President's Budget	15.842	16.687	16.325	0.000	16.325
Total Adjustments	0.000	0.000	-0.123	0.000	-0.123
• 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	-0.123	0.000	-0.123

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

	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
<b>Title:</b> Cyber Technology Development	15.842	16.687	16.325
<b>Description:</b> Demonstrate, develop, and evaluate prototype electronic warfare (EW) and cyber capabilities.			

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
<p>The origin, details and specific aspects of these efforts are classified.</p> <p><b>FY 2018 Plans:</b> Continue to adapt 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 and will be provided on a need-to-know basis. For further information please contact USCYBERCOM at 443-634-7725.</p> <p><b>FY 2019 Plans:</b> Will continue to adapt EW technology and cyber-peculiar capabilities to gain access to targeted enemy forces.</p> <p>Many aspects of the effort are classified and will be provided on a need-to-know basis. For further information, please contact USCYBERCOM at 443-634-7725.</p> <p><b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> Funding decreased due to Inflation Rate Adjustment.</p>				
<b>Accomplishments/Planned Programs Subtotals</b>		15.842	16.687	16.325
<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 used and managed by various Service Component contracting offices, Combatant Command contracting offices and National Security Agency contracting offices.				
<b>F. Performance Metrics</b>				
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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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2019 Air Force												<b>Date:</b> February 2018			
<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>					

  

<b>Product Development (\$ in Millions)</b>				<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</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>		<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Cyber Technology Development	Various	Multiple Agencies : Various	-	15.842	Jul 2017	16.687	Mar 2018	16.325	May 2019	-		16.325		Continuing	Continuing	-
<b>Subtotal</b>			-	15.842		16.687		16.325		-		16.325		Continuing	Continuing	N/A

  

			<b>Prior Years</b>	<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			-	15.842		16.687		16.325		-		16.325	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 0306415F / Enabled Cyber Activities								Project (Number/Name) 646008 / US Cyber Command Technology Development			

	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
Electronic Warfare (EW) Capabilities																												
EW Tech IOC																												
EW Capability Spiral (annual)																												
SATCOM Capability Spiral (annual)																												
Communications Capabiliy Spiral (annual)																												

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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 0306415F / Enabled Cyber Activities	Project (Number/Name) 646008 / US Cyber Command Technology Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Electronic Warfare (EW) Capabilities</i>				
EW Tech IOC	1	2017	3	2017
EW Capability Spiral (annual)	1	2017	4	2023
SATCOM Capability Spiral (annual)	1	2017	4	2023
Communications Capabiliy Spiral (annual)	1	2017	4	2023