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**Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force** **Date:** May 2017

<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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	15.842	16.687	0.000	16.687	16.448	16.757	17.044	17.393	Continuing	Continuing
646008: <i>US Cyber Command Technology Development</i>	-	0.000	15.842	16.687	0.000	16.687	16.448	16.757	17.044	17.393	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).

In FY17 Enabled Cyber Activities was a new start.

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 443-634-7769.

This program is in Budget Activity 4, Advance Component Development and Prototypes 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 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
Previous President's Budget	0.000	15.842	16.639	0.000	16.639
Current President's Budget	0.000	15.842	16.687	0.000	16.687
Total Adjustments	0.000	0.000	0.048	0.000	0.048
• 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	0.048	0.000	0.048

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
<p><b>Title:</b> Cyber Technology Development</p> <p><b>Description:</b> Demonstrate, develop, and evaluate prototype Electronic Warfare and Cyber capabilities.</p> <p>The origin, details and specific aspects of these efforts are classified and will be provided on a need-to-know basis. Please contact USCYBERCOM, 443-634-7769.</p> <p><b>FY 2016 Accomplishments:</b> N/A</p> <p><b>FY 2017 Plans:</b> Deliver to Initial Operational Capability (IOC) for EW technology against targeted enemy forces.</p> <p><b>FY 2018 Plans:</b> Will facilitate the development and delivery of Electronic Warfare (EW) and cyber-peculiar technologies. Focus on broad program areas: Common Services, Access Platforms, Tools, and Analytics.</p>	0.000	15.842	16.687
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	15.842	16.687

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

**Remarks**

**E. Acquisition Strategy**  
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.

**F. Performance Metrics**  
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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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Air Force												Date: May 2017				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
3600 / 4				PE 0306415F / Enabled Cyber Activities				646008 / US Cyber Command Technology Development								
<b>Product Development (\$ in Millions)</b>				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	
Cyber Technology Development	Various	Multiple Agencies: Various : TBD	-	0.000		15.842	Jul 2017	16.687	Mar 2018	0.000		16.687	Continuing	Continuing	-	
<b>Subtotal</b>			-	0.000		15.842		16.687		0.000		16.687	-	-	-	
<b>Support (\$ in Millions)</b>				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	
<b>Subtotal</b>			-	-		-		-		-		-	-	-	-	
<b>Test and Evaluation (\$ in Millions)</b>				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	
<b>Subtotal</b>			-	-		-		-		-		-	-	-	-	
<b>Management Services (\$ in Millions)</b>				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	
<b>Subtotal</b>			-	-		-		-		-		-	-	-	-	
<b>Project Cost Totals</b>			-	0.000		15.842		16.687		0.000		16.687	-	-	-	
<b>Remarks</b>																

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: FY 2018 Air Force</b>		<b>Date: May 2017</b>
<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>

FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022			
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

EA Tech IOC			
EA Capability Spiral (annual)			
SATCOM Capability Spiral (annual)			
Communications Capabiliy Spiral (annual)			

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> FY 2018 Air Force		<b>Date:</b> May 2017
<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	Start		End	
	Quarter	Year	Quarter	Year
EA Tech IOC	1	2017	3	2017
EA Capability Spiral (annual)	1	2017	4	2022
SATCOM Capability Spiral (annual)	1	2017	4	2022
Communications Capabiliy Spiral (annual)	1	2017	4	2022