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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force										Date: February 2019		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0306415F I Enabled Cyber Activities							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	16.687	16.325	16.632	0.000	16.632	16.917	17.268	17.582	17.898	Continuing	Continuing
646008: US Cyber Command Technology Development	-	16.687	16.325	16.632	0.000	16.632	16.917	17.268	17.582	17.898	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 443-634-7769.

As directed in the FY 2018 NDAA, Sec 825, amendment to PL 114-92 FY 2016 NDAA, Sec 828 Penalty for Cost Overruns, the FY 2018 Air Force penalty total is \$14.373M. The calculated percentage reduction to each research, development, test and evaluation and procurement account will be allocated proportionally from all programs, projects, or activities under such account.

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.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020 Base</u>	<u>FY 2020 OCO</u>	<u>FY 2020 Total</u>
Previous President's Budget	16.687	16.325	16.632	0.000	16.632
Current President's Budget	16.687	16.325	16.632	0.000	16.632
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• 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	0.000	0.000	0.000

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2018	FY 2019	FY 2020
Title: Cyber Technology Development Description: Demonstrate, develop, and evaluate prototype electronic warfare (EW) and cyber capabilities. The origin, details and specific aspects of these efforts are classified. FY 2019 Plans: Continuing to adapt EW technology to facilitate the development and delivery of Electronic Warfare (EW) and cyber-peculiar capabilities. 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. FY 2020 Plans: Will continue to adapt EW technology and cyber-peculiar capabilities to gain access to targeted enemy forces. FY 2019 to FY 2020 Increase/Decrease Statement: Funding increase due to FY20 inflation growth. Many aspects of the effort are classified and will be provided on a need-to-know basis. For further information please contact USCYBERCOM at 443-634-7769.		16.687	16.325	16.632
Accomplishments/Planned Programs Subtotals		16.687	16.325	16.632
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 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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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force</i> / BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0306415F / <i>Enabled Cyber Activities</i>	
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: PB 2020 Air Force												Date: February 2019			
Appropriation/Budget Activity 3600 / 4						R-1 Program Element (Number/Name) PE 0306415F / <i>Enabled Cyber Activities</i>				Project (Number/Name) 646008 / <i>US Cyber Command Technology Development</i>					

Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	-	16.687	Mar 2018	16.325	May 2019	16.632	Jan 2020	-		16.632	Continuing	Continuing	-	
Subtotal			-	16.687		16.325		16.632		-		16.632	Continuing	Continuing	N/A	

			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	16.687		16.325		16.632		-		16.632	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Air Force										Date: February 2019																			
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 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	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 Capability Spiral (annual)																												
SATCOM Capability Spiral (annual)																												
Communications Capabiliy Spiral (annual)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force		Date: February 2019
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0306415F / <i>Enabled Cyber Activities</i>	Project (Number/Name) 646008 / <i>US Cyber Command Technology Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Electronic Warfare (EW) Capabilities</i>				
EW Capability Spiral (annual)	1	2018	4	2023
SATCOM Capability Spiral (annual)	1	2018	4	2023
Communications Capabiliy Spiral (annual)	1	2018	4	2023