

UNCLASSIFIED

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0606942F / <i>Assessments and Evaluations Cyber Vulnerabilities</i>
--	--

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	-	2.885	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.885
677821: <i>Cyberspace Vulnerability Assessment</i>	-	2.885	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.885
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This program funds Ransomware Response to identify and inform real-time cyber-defense operator training for responding to ransomware attacks. This program also develops ransomware scenarios aimed at testing and developing concept of operations, courses of action and development and application of Tactics, Techniques & Procedures (TTP). This funding is part of an FY21 Congressional Add.

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 PY \$00.000M was expended for civilian pay expenses in this program element.

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. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	3.000	0.000	0.000	0.000	0.000
Current President's Budget	2.885	0.000	0.000	0.000	0.000
Total Adjustments	-0.115	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	-0.115	0.000	0.000	0.000	0.000

UNCLASSIFIED

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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0606942F / <i>Assessments and Evaluations Cyber Vulnerabilities</i>
--	--

Change Summary Explanation

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.

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

	FY 2021	FY 2022	FY 2023
Title: Ransomware Response	2.885	0.000	-
Description: Identify and inform real-time cyber-defense operator training for responding to ransomware attacks. Develop ransomware scenarios aimed at testing and developing concept of operations, courses of action, develop and apply TTPs.			
FY 2022 Plans: Not Applicable			
FY 2022 to FY 2023 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	2.885	0.000	-

D. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

E. Acquisition Strategy

When possible, activities in this effort will leverage current competitively-awarded contracts. Additional necessary contracts funded in this program element will be awarded using either competitive or sole source procedures, whichever is most appropriate. The government agency responsible for managing the program is the Air Force Life Cycle Management Center, Cyber Resiliency Office for Weapons Systems, Wright-Patterson Air Force Base, Ohio and Hanscom Air Force Base, Massachusetts.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0606942F / Assessments and Evaluations Cyber Vulnerabilities	Project (Number/Name) 677821 / Cyberspace Vulnerability Assessment
--	---	--

Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Ransomware Response scenarios, courses of action, associated TTPs, and training requirements	Various	Various : TBD	-	2.885		-		-		-		-	Continuing	Continuing	-
Subtotal			-	2.885		-		-		-		-	Continuing	Continuing	N/A

Remarks
In FY 2019, the Office of the Undersecretary of Defense for Acquisition, Technology, and Logistics transitioned the responsibility of funding NDAA 1647 and 1650 activities directly to the Services.

	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	2.885	-	-	-	-	Continuing	Continuing	N/A

Remarks
Ransomware response product development included in response to a FY 2021 Congressional Add

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0606942F / <i>Assessments and Evaluations Cyber Vulnerabilities</i>	Project (Number/Name) 677821 / <i>Cyberspace Vulnerability Assessment</i>

FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
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

Ransomware Response	
Identify and inform real-time cyber-defense operator training for responding to ransomware attacks	████████████████████
Develop ransomware scenarios aimed at testing and developing concept of operations, courses of action, develop and apply TTPs	████████████████████

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0606942F / <i>Assessments and Evaluations Cyber Vulnerabilities</i>	Project (Number/Name) 677821 / <i>Cyberspace Vulnerability Assessment</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Ransomware Response				
Identify and inform real-time cyber-defense operator training for responding to ransomware attacks	3	2021	4	2022
Develop ransomware scenarios aimed at testing and developing concept of operations, courses of action, develop and apply TTPs	3	2021	4	2022