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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Missile Defense Agency **Date:** February 2020

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 6:</i> <i>RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0606942C / <i>Assessments and Evaluations Cyber Vulnerabilities</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	-	3.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	3.400
MC39: <i>Assessment and Evaluation of Cyber Vulnerabilities</i>	-	3.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	3.400

Program MDAP/MAIS Code: 362

Note

This Program Element (PE) reflects OSD addition in FY 2019. All prior and subsequent FYs are funded in PE 0603914C MC04. This is a continuation of efforts funded within the Management and Support Office of the Secretary of Defense (OSD) PE 0604942DZ Assessments & Evaluation.

Pursuant to section 1647 of Public Law 114-92, the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2016, and Congress mandated the Department of Defense (DoD) conduct cyber vulnerability evaluations of all major DoD weapons by December 31, 2019. The alternative provides \$84.1 million to the applicable Components for platform level assessments, platform mitigations, and red team enhancements. Missile Defense Agency received \$3.4 million in FY 2019 for Cyber Vulnerability Assessment and Mitigation.

A. Mission Description and Budget Item Justification

This Program Element (PE) provides funds for cyber vulnerability assessments of critical elements of the Ballistic Missile Defense System (BMD) that Missile Defense Agency (MDA) is responsible for conducting, as directed by Sec. 1647 of the Fiscal Year 2017 National Defense Authorization Act.

Resources will be used for assessments and non-recurring engineering for mitigations for elements of the BMD system that MDA is responsible for conducting.

B. Program Change Summary (\$ in Millions)	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>
Previous President's Budget	3.400	0.000	0.000	-	0.000
Current President's Budget	3.400	0.000	0.000	-	0.000
Total Adjustments	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			
• Missile Defeat and Defense Enhancement	0.000	0.000	0.000	-	0.000

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• Other Adjustment	0.000	0.000	0.000	-	0.000
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Change Summary Explanation

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Missile Defense Agency										Date: February 2020		
Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0606942C / Assessments and Evaluations Cyber Vulnerabilities				Project (Number/Name) MC39 / Assessment and Evaluation of Cyber Vulnerabilities			
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
MC39: Assessment and Evaluation of Cyber Vulnerabilities	-	3.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	3.400
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Pursuant to section 1647 of Public Law 114-92, the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2016, and Congress mandated the Department of Defense (DoD) conduct cyber vulnerability evaluations of all major DoD weapons by December 31, 2019. The alternative provides \$84.1 million to the applicable Components for platform level assessments, platform mitigations, and red team enhancements. Missile Defense Agency (MDA) received \$3.4 million in FY 2019 for Cyber Vulnerability Assessment and Mitigation.

A. Mission Description and Budget Item Justification

N/A

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2019	FY 2020	FY 2021
Title: Cyber Vulnerability Testing	3.400	0.000	0.000
Articles:	-	-	-
Description: Pursuant to section 1647 of Public Law 114-92, the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2016, and Congress mandated the Department of Defense (DoD) conduct cyber vulnerability evaluations of all major DoD weapons by December 31, 2019. The alternative provides \$84.1 million to the applicable Components for platform level assessments, platform mitigations, and red team enhancements.			
Implement cybersecurity test requirements as directed by the National Defense Authorization Act (NDAA) for Fiscal Year 2016, Pub. L. No. 114-328, *1647 (a), Director, Operational Test and Evaluation (DOT&E), and Deputy Assistant Secretary of Defense, Developmental Test and Evaluation (DT&E) to include planning, coordination, and execution of Cooperative Vulnerability and Penetration Assessments, Adversarial Assessments, Cyber Table Top Exercises, and Element Cybersecurity Experiments.			
FY 2020 Plans: N/A			
FY 2021 Plans: N/A			
FY 2020 to FY 2021 Increase/Decrease Statement:			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2019	FY 2020	FY 2021
N/A			
Accomplishments/Planned Programs Subtotals	3.400	0.000	0.000

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

N/A

Remarks

D. Acquisition Strategy

N/A