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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 I BA 3: Advanced Technology Development (ATD)</i>	R-1 Program Element (Number/Name) PE 0603178C / <i>Weapons Technology</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	-	13.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	13.400
MD72: <i>Interceptor Technology</i>	-	13.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	13.400

Program MDAP/MAIS Code: 362

Note
Decrease in FY 2020 reflects the Congressional reduction for the cancelled joint USAF/MDA program.

A. Mission Description and Budget Item Justification
MDA requests no funding in this program element in FY 2021 and the out years.

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	13.400	10.000	10.000	-	10.000
Current President's Budget	13.400	0.000	0.000	-	0.000
Total Adjustments	0.000	-10.000	-10.000	-	-10.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	-10.000			
• 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
• Other Adjustment	0.000	0.000	-10.000	-	-10.000

Change Summary Explanation
Decrease in FY 2020 reflects Congressional reduction for the cancelled joint USAF/MDA program. There is no funding requested in FY 2021 and out.

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

Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name) PE 0603178C / <i>Weapons Technology</i>				Project (Number/Name) MD72 / <i>Interceptor Technology</i>			
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
MD72: <i>Interceptor Technology</i>	-	13.400	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	13.400

Note
FY 2020 reflects the Congressional reduction for the cancelled joint USAF/MDA program.

A. Mission Description and Budget Item Justification
MDA requests no funding in this program element in FY 2021 and out.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p>Title: Hypersonic Defense Weapon Systems Concept Definition</p> <p>Description: This effort conducted Hypersonic Defense Weapon Systems Concept Definition with industry to develop weapon systems concepts through a multi-phased approach to provide a near term capability to destroy hypersonic vehicle threats.</p> <p>FY 2020 Plans: N/A</p> <p>FY 2021 Plans: N/A</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: N/A</p>	13.400	0.000	0.000
<p>Title: USAF/MDA Missile Defense Capability</p> <p>Description: FY 2020 reflects the Congressional reduction for the cancelled joint USAF/MDA program.</p> <p>FY 2020 Plans: N/A</p> <p>FY 2021 Plans: N/A</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: MDA requests no funding in this Program Element in FY 2021 and the out years.</p>	0.000	0.000	0.000
Accomplishments/Planned Programs Subtotals	13.400	0.000	0.000

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

<u>Line Item</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u> <u>Base</u>	<u>FY 2021</u> <u>OCO</u>	<u>FY 2021</u> <u>Total</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• 0604181C: <i>Hypersonic Defense</i>	132.612	390.204	206.832	-	206.832	107.521	111.084	115.487	118.333	Continuing	Continuing

Remarks

D. Acquisition Strategy

To optimize Missile Defense System (MDS) performance, MDA leverages the nation's engineering centers of excellence at government agencies, Military Services, Federally Funded Research and Development Centers, University Affiliated Research Centers and industry. The executing agents use varying contracting strategies in a flexible manner to maximize their contribution to the MDS. MDA acquires products and services by competitive means to the extent that is possible, practical and uses the Broad Agency Announcement process to award concept definition contracts.