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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Missile Defense Agency **Date:** April 2022

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 0603294C / <i>Common Kill Vehicle Technology</i>
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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	325.539	10.793	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	336.332
MD85: <i>Common Kill Vehicle Technology</i>	313.877	10.354	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	324.231
MD40: <i>Program Wide Support</i>	11.662	0.439	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.101

Program MDAP/MAIS Code: 362

Note

Due to a shift in Department of Defense priorities, the Common Kill Vehicle (CKV) Technology Program has been cancelled beginning in FY 2022.

A. Mission Description and Budget Item Justification

The weapon systems technology maturation efforts under the CKV program element are complete.

The Missile Defense Agency (MDA) pursued multiple component risk reduction efforts for weapon technologies that will enable advanced concepts and designs to mature technology for end-to-end weapon systems and components up to prototypes.

B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	11.058	0.000	0.000	-	0.000
Current President's Budget	10.793	0.000	0.000	-	0.000
Total Adjustments	-0.265	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	-0.265	0.000			
• Missile Defeat and Defense Enhancement	0.000	0.000	0.000	-	0.000
• Other Adjustment	0.000	0.000	0.000	-	0.000

Change Summary Explanation

No funding is requested in the program element in FY 2022 and the out years.

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Missile Defense Agency **Date:** April 2022

Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603294C / <i>Common Kill Vehicle Technology</i>	Project (Number/Name) MD85 / <i>Common Kill Vehicle Technology</i>
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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
<i>MD85: Common Kill Vehicle Technology</i>	313.877	10.354	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	324.231
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note

Due to a shift in Department of Defense priorities, the Common Kill Vehicle (CKV) Technology Program has been cancelled beginning in FY 2022

A. Mission Description and Budget Item Justification

The weapon systems technology maturation efforts under the CKV program element are complete.

The Missile Defense Agency (MDA) pursued multiple component risk reduction efforts for weapon technologies that will enable advanced concepts and designs to mature technology for end-to-end weapon systems and components up to prototypes.

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

	FY 2021	FY 2022	FY 2023
Title: Common Kill Vehicle	10.354	0.000	0.000
Articles:	-	-	-
Description: Common Kill Vehicle research efforts included maturation of advanced weapon technologies for current weapon systems concepts including Aegis, Terminal High Altitude Area Defense, Ground based Missile Defense, and advance concepts and designs to mature technology for end-to-end weapon systems and components up to concept prototypes.			
Specific and/or unique accomplishments to each FY are as follows:			
FY 2022 Plans: No funding is requested in FY 2022 for this effort.			
FY 2023 Plans: No funding is requested in FY 2023 for this effort.			
FY 2022 to FY 2023 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	10.354	0.000	0.000

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

Line Item	FY 2021	FY 2022	FY 2023	FY 2023	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Cost To	
			Base	OCO	Total					Complete	Total Cost
• 0603176C: <i>Advanced Concepts and Performance Assessment</i>	49.069	40.000	16.737	-	16.737	17.265	17.693	18.109	18.477	Continuing	Continuing
• 0603180C: <i>Advanced Research</i>	29.621	47.966	22.023	-	22.023	22.758	23.296	23.851	24.335	Continuing	Continuing

Remarks

D. Acquisition Strategy

N/A

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Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603294C / Common Kill Vehicle Technology	Project (Number/Name) MD40 / Program Wide Support
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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
MD40: Program Wide Support	11.662	0.439	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.101
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note

Program Wide Support (PWS) is allocated on a pro-rata basis across multiple Agency PEs each fiscal year based on the total Agency budget, and therefore fluctuates per PE by fiscal year. No funding is requested for Program Wide Support in the Common Kill Vehicle Technology Program Element beginning in FY 2022.

A. Mission Description and Budget Item Justification

PWS contains non-headquarters management costs in support of MDA functions and activities across the entire MDS. These functions include Government Civilians and Contract Support Services. This effort provides integrity and oversight of the MDS as well as supports MDA in the development and evaluation of technologies that will respond to the changing threat. Additionally, PWS includes personnel to support global deployments performing deployment site preparation and activation, and provides facility capabilities for MDA Executing Agent locations worldwide. Other MDA wide costs include: physical and technical security; civilian drug testing; audit readiness; the Science, Technology, Engineering, and Mathematics (STEM) program; legal services and settlements; travel and agency training; office, equipment, vehicle, and warehouse leases; utilities and base operations across multiple geographic locations; commercial and ancillary facility services; management of all facility aspects regardless of lifecycle stage; supplies and maintenance; compliance with statutory environmental requirements; data and unified communications support; materiel and readiness and central property management of equipment; Facilities Sustainment, Restoration and Modernization (FSRM) program, (formerly Real Property Maintenance) to keep the Department's inventory of facilities in good working order; and similar operating expenses. PWS is allocated on a pro-rata basis across most Agency PEs and therefore fluctuates per PE by fiscal year based on the total Agency budget in that fiscal year.

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

	FY 2021	FY 2022	FY 2023
Title: Program Wide Support	0.439	0.000	0.000
Articles:	-	-	-
Description: PWS contains non-headquarters management costs in support of MDA functions and activities across the entire MDS. These functions include Government Civilians and Contract Support Services. This effort provides integrity and oversight of the MDS as well as supports MDA in the development and evaluation of technologies that will respond to the changing threat. Additionally, PWS includes personnel to support global deployments performing deployment site preparation and activation, and provides facility capabilities for MDA Executing Agent locations worldwide. Other MDA wide costs include: physical and technical security; civilian drug testing; audit readiness; the Science, Technology, Engineering, and Mathematics (STEM) program; legal services and settlements; travel and agency training; office, equipment, vehicle, and warehouse leases; utilities and base operations across multiple geographic locations; commercial and ancillary facility services; management of all facility aspects regardless of lifecycle stage; supplies and maintenance; compliance with statutory environmental requirements; data and unified communications support; materiel and readiness and central property management of equipment; Facilities Sustainment,			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2021	FY 2022	FY 2023
Restoration and Modernization (FSRM) program, (formerly Real Property Maintenance) to keep the Department's inventory of facilities in good working order; and similar operating expenses. PWS is allocated on a pro-rata basis across most Agency PEs and therefore fluctuates per PE by fiscal year based on the total Agency budget in that fiscal year. <i>FY 2022 Plans:</i> No funding is requested for Program Wide Support in the Common Kill Vehicle Technology Program Element beginning in FY 2022. <i>FY 2023 Plans:</i> No funding is requested in FY 2023 for this effort <i>FY 2022 to FY 2023 Increase/Decrease Statement:</i> N/A			
Accomplishments/Planned Programs Subtotals	0.439	0.000	0.000

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

N/A

Remarks

D. Acquisition Strategy

N/A