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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	378.420	50.942	48.248	47.723	-	47.723	48.921	50.062	51.376	52.565	Continuing	Continuing
MD03: <i>Joint Warfighter Support</i>	170.930	17.393	19.606	20.861	-	20.861	21.184	21.650	22.066	22.526	Continuing	Continuing
MT03: <i>Joint Warfighter Support Test</i>	184.163	31.059	26.763	24.857	-	24.857	25.499	26.155	26.823	27.405	Continuing	Continuing
MC03: <i>Cyber Operations</i>	0.599	0.153	0.164	0.168	-	0.168	0.171	0.174	0.177	0.181	Continuing	Continuing
MD40: <i>Program-Wide Support</i>	22.728	2.337	1.715	1.837	-	1.837	2.067	2.083	2.310	2.453	Continuing	Continuing

Program MDAP/MAIS Code: 362

Note

N/A

A. Mission Description and Budget Item Justification

The Joint Warfighter Support Program (JWSP) is the Missile Defense Agency's (MDA's) primary means for providing direct technical support to Combatant Commands (CCMDs), the Military Services, and the Joint Staff on Missile Defense System development, testing, operational support, and configuration management. It enables delivery of Missile Defense System capabilities to Warfighters and ensures their participation in the identification and development of new Missile Defense (MD) capabilities via the Warfighter Involvement Process. The JWSP allows the Warfighter and MDA to work together to identify gaps, seams, and needs in warfighting capability and enhance Missile Defense System attributes by submitting modification and fielding requests. It also provides 24 hours a day, 7 days a week, 365 days a year MD operational support to Warfighters worldwide, to include global system verification and validation over the operational Common Interactive Broadcast. The program enables rapid response to Warfighter Requests for Information and Requests for Analyses, which are especially critical to mission success in protecting U.S. Forces and other defended assets during Real World threat events. The program also supports improving products delivered to Warfighters through technical reviews and technical analyses supporting strategic and regional MD planning, development of shot doctrine and MD design. The JWSP also enables the inclusion of both CCMD and MDA MD objectives in CCMD/Joint Staff-sponsored Wargames and Exercises, which are used to sharpen and enhance joint MD warfighting skills. Finally, the JWSP administers all Navy Reserve support personnel and handles coordination for Army, Air Force and Space Force Reserve that provide technical, engineering, intelligence, integration, and operational support to the MDA.

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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>
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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	50.269	48.248	49.164	-	49.164
Current President's Budget	50.942	48.248	47.723	-	47.723
Total Adjustments	0.673	0.000	-1.441	-	-1.441
• 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	-0.266	0.000			
• Other Adjustment	0.939	0.000	-1.441	-	-1.441

Change Summary Explanation

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
MD03: <i>Joint Warfighter Support</i>	170.930	17.393	19.606	20.861	-	20.861	21.184	21.650	22.066	22.526	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

N/A

A. Mission Description and Budget Item Justification

There are seven primary functions in Joint Warfighter Support (MD03):

- (1) Missile Defense Operations Support
- (2) Combatant Command Integration
- (3) Military Service Integration
- (4) Operational Missile Defense System Verification and Validation
- (5) Warfighter Training and Education Support
- (6) Joint Staff Integration
- (7) Reserve Integration

Detailed descriptions and accomplishments are provided in section B. Accomplishments/Planned Program.

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

	FY 2023	FY 2024	FY 2025
Title: Strategic Warfighter Integration	17.393	19.606	20.861
Articles:	-	-	-
Description: (1) Missile Defense Operations Support:			
- Manage and operate the Missile Defense Agency (MDA) Operations Support Center 24 hours a day, 7 days a week, 365 days a year and 2 MDA Operations Centers in Virginia and Alabama for daily execution of scheduled Missile Defense System activities; and prepare and transmit Logistic Reports.			
- Manage and execute the Missile Defense System Asset Management process of planning, coordinating, scheduling and executing access to operational and Research, Development, Test and Evaluation (RDT&E) assets operated by MDA and Warfighters dispersed globally with differing missions and competing priorities to facilitate assets in support of Warfighter Ballistic Missile Defense (BMD); Missile Warning/Space Surveillance operations; MDA RDT&E, training and sustainment activities.			
- Lead the MDA Operations Support Planning Team, an MDA-wide task force supporting Warfighters, Services and the Joint Staff to address real-world contingencies and crisis events.			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025
<ul style="list-style-type: none"> - Develop Missile Defense System Annual Plan and Missile Defense System Operating Schedule facilitating key stakeholder coordination and maximizing operational availability of the Missile Defense System. - Develop and maintain the Integrated Scheduling Tool. - Facilitate major software/hardware additions to the Operational Capability Baseline for homeland/regional defenses. - Develop and maintain the Missile Defense System Operational Readiness Reporting System application to collect and report Missile Defense System operational availability and readiness data through the network-based tool to distribute data to Office of the Secretary of Defense, Combatant Commands (CCMDs), Joint Staff, Military Services, and Missile Defense System Operators. - Provide certification training to Ballistic Missile Defense Systems (BMDS) watch officers, BMDS Safety Officers, and other Operations Support Center staff. <p>(2) CCMD Integration United States Strategic Command, United States Northern Command (USNORTHCOM), United States Central Command, United States European Command, United States Indo-Pacific Command, and United States Space Command (USSPACECOM):</p> <ul style="list-style-type: none"> - Support the Warfighter Involvement Process (WIP) and other MDA Warfighter engagement efforts by assisting Warfighters in their update to the annual Missile Defense System Prioritized Capabilities List and Modification and Fielding Request List. - Aid CCMD participation in missile defense capability definition, design, development, integration, and delivery processes through the WIP to synchronize capability delivery with operational readiness and acceptance. - Support Joint Functional Component Command Integrated Missile Defense integration by participating in the Warfighter Forum a multi-lateral information and decision event to address CCMD, Service and Department of Defense Missile Defense System equities. - Assist USNORTHCOM in broadening homeland defense planning to address the full range of USNORTHCOM threats by conducting the Homeland Defense Architecture Working Group and Shot Management Analysis Cell. - Prepare MDA senior leadership for engagements with CCMDs. - Interface with CCMDs on Missile Defense (MD) operational issues by providing planning and analysis support and translating warfighter responses to MDA issues. - Manage the Warfighter Requests for Information; Requests for Analyses; and Requests for Allied Participation in Tests processes. <p>(3) Military Service Integration:</p> <ul style="list-style-type: none"> - Facilitate and coordinate Service Boards of Directors on Lead Service Missile Defense System related equities, Program Objective Memorandum development and execution, element fielding, operations and maintenance, and the Missile Defense System capability delivery process. 			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency		Date: March 2024		
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2023	FY 2024	FY 2025
<p>- Maintain daily, strategic-level interfaces with Military Services and Joint Staff plan for the delivery, fielding, and operation of respective Lead Service Missile Defense System capabilities via senior-level working groups, General Officer Air and Missile Defense and Space forums.</p> <p>- Support transition and transfer to the Military Services through participation in senior-level working groups, Joint Staff directorates, and facilitate General Officer forums.</p> <p>(4) Operational Missile Defense System Verification and Validation:</p> <p>- Provide 24 hours a day, 7 days a week, 365 days a year, global system verification and validation over the operational Common Integrated Broadcast, and Shared Early Warning System for MD early warning data.</p> <p>- Support Tactical Data Processor software development, MDA flight tests and other software development efforts using live real-world broadcasts of simulated missile threats.</p> <p>- Support Naval Board of Inspection and Survey, Shipboard installation, Aegis On-Demand, Aegis program releases, US and Coalition operational readiness and BMD Exercise requirements to validate equipment, materiel, and tactical readiness while simultaneously providing deployment certification and crew operator qualification.</p> <p>- Verify operational readiness of both US and Coalition partners to detect a real-world launch of a ballistic threat.</p> <p>(5) Warfighter Training and Education Support:</p> <p>- Provide Missile Defense Space Warning Tool support to increase operator proficiency, competence, and confidence; provide initial qualification training; and ship certification for Aegis BMD crews using advanced simulations and models.</p> <p>- Provide technical and programmatic updates for BMD Warfighter training; participates in Missile Defense System training and Education Working Group to coordinate Missile Defense System training issues with USSPACECOM and Joint Staff.</p> <p>- Support Fleet Synthetic and Aegis Operator Training to ensure operational readiness of Aegis as the first step in the kill chain for MD.</p> <p>- Provide Early Warning missile injects for Joint Warfighter Support Test project (MT03) war games and exercises and tailored support for other Joint Warfighter Support Test events (as listed in the Integrated Master Test Plan and R-4/4A schedule).</p> <p>(6) Joint Staff Integration:</p> <p>- Facilitate and coordinate all Joint Staff interactions with the MDA.</p> <p>- Maintain daily, strategic-level interfaces with the Joint Staff.</p> <p>(7) Reserve Integration</p> <p>- Manage activities and lead coordination for Reserve support to MDA provided by Army, Air Force, Space Force and the Navy, including Reserve Navy Engineering Duty Officer and enlisted billets and personnel</p>				

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025
- Provide direct Military Reserve manpower, to include technical, engineering, intelligence and operational support, to MDA; (1) Within individual member statutory limitations (i.e. one weekend/month and two weeks/year); (2) Via Active Duty for Operational Support (ADOS) personnel orders - Process and manage ADOS requests throughout the MDA - Provide assistance for the Operational Support Officer role to support the Warfighter Specific and/or unique accomplishments for each FY are as follows: FY 2024 Plans: (7) Reserve Integration - Manage activities and lead coordination for Reserve support to MDA provided by Army, Air Force, Space Force and the Navy, including Reserve Navy Engineering Duty Officer and enlisted billets and personnel - Provide direct Military Reserve manpower, to include technical, engineering, intelligence and operational support, to MDA; (1) Within individual member statutory limitations (i.e. one weekend/month and two weeks/year); (2) Via ADOS personnel orders - Process and manage ADOS requests throughout the MDA - Provide assistance for the Operational Support Officer role to support the Warfighter FY 2025 Plans: - SEE ABOVE FY 2024 to FY 2025 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	17.393	19.606	20.861

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• 0603882C: <i>Ballistic Missile Defense Midcourse Defense Segment</i>	670.808	903.633	768.227	-	768.227	856.218	842.985	956.974	1,007.150	Continuing	Continuing
• 0603884C: <i>Ballistic Missile Defense Sensors</i>	228.807	239.159	209.002	-	209.002	205.087	202.555	209.816	214.110	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>

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

Line Item	FY 2023	FY 2024	FY 2025	FY 2025	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Cost To	
			Base	OCO	Total					Complete	Total Cost
• 0603890C: <i>BMD Enabling Programs</i>	589.588	597.720	609.406	-	609.406	623.893	625.985	659.983	677.858	Continuing	Continuing
• 0603892C: <i>AEGIS BMD</i>	586.329	693.727	649.255	-	649.255	602.818	539.786	649.556	714.388	Continuing	Continuing
• 0603896C: <i>Ballistic Missile Defense Command and Control, Battle Management & Communication</i>	587.689	554.201	569.662	-	569.662	570.632	587.929	618.050	651.885	Continuing	Continuing
• 0603904C: <i>Missile Defense Integration and Operations Center (MDIOC)</i>	47.629	50.549	54.525	-	54.525	56.851	58.115	59.600	61.362	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Integrated Research and Development for Enterprise Solutions (IRES) Contract and the Specialized Warfighter Development Contract are the major performing integrated contracts. The acquisition strategy for Strategic Warfighter Integration mission execution is to employ a contract to perform designated integration and sustainment tasks to conduct Missile Defense System RDT&E. Strategic Warfighter Integration is operated by missile defense subject matter experts composed of Government, military, civilian personnel, Contract Support Services, and major defense contractors.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>
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Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Strategic Warfighter Integration - Administrative, Travel, and PCS	Various	Various : Various	4.433	0.336	Nov 2022	0.470	Nov 2023	0.477	Nov 2024	-		0.477	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Civilian Salaries/Operations Sustainment	Allot	MDA : Colorado Springs/Huntsville, NCR	53.343	5.946	Oct 2022	5.781	Oct 2023	5.548	Oct 2024	-		5.548	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Current Operations	C/CPAF	Jacobs Technology/ IRES : Colorado Springs	30.211	1.833	Nov 2022	1.053	Nov 2023	1.494	Nov 2024	-		1.494	Continuing	Continuing	Continuing
Strategic Warfighter Integration - HR A&AS	C/CPFF	LSINC Corp : Colorado Springs	0.867	0.000		0.000		0.000		-		0.000	0.000	0.867	0.000
Strategic Warfighter Integration - IT / SLA / BAM	C/CPAF	Jacobs Technology/ IRES : Colorado Springs, Huntsville	5.891	0.602	Jun 2023	1.027	Jan 2024	0.487	Jun 2025	-		0.487	Continuing	Continuing	Continuing
Strategic Warfighter Integration - MDST	C/CPAF	Northrop Grumman/ SWDC : Colorado Springs	35.806	4.038	Nov 2022	4.228	Nov 2023	5.955	Nov 2024	-		5.955	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Reservist Support	MIPR	DOD - USN - NAVAL INFORMATION WARFARE SYSTEMS COMMAND (NAVWAR) : Various	0.000	0.000		1.182	Oct 2023	1.182	Oct 2024	-		1.182	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Warfighter Support A&AS	C/CPFF	STRATEGIC ALLIANCE SOLUTIONS LLC : Colorado Springs, Huntsville, NCR	40.379	4.638	Dec 2022	5.865	Dec 2023	5.718	Dec 2024	-		5.718	Continuing	Continuing	Continuing
Subtotal			170.930	17.393		19.606		20.861		-		20.861	Continuing	Continuing	N/A

Remarks
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Missile Defense Agency								Date: March 2024			
Appropriation/Budget Activity 0400 / 4				R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>				Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>			
	Prior Years	FY 2023		FY 2024		FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	170.930	17.393		19.606		20.861	-	20.861	Continuing	Continuing	N/A

Remarks
 Funding in the All Prior Years column represents a summary of Prior Years Total Costs for active contracts, Military Interdepartmental Purchase Requests, and civilian salaries on the R-3.
 Award Date reflects date of first obligation. Additional obligations may incrementally occur throughout the year.

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD03 / <i>Joint Warfighter Support</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Strategic Integration Wargame Events in support of MT03	1	2023	4	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency										Date: March 2024		
Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>				Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
MT03: <i>Joint Warfighter Support Test</i>	184.163	31.059	26.763	24.857	-	24.857	25.499	26.155	26.823	27.405	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

N/A

A. Mission Description and Budget Item Justification

Joint Warfighter Support Test provides support to Missile Defense System Wargames and Exercises.

Wargames and Exercises:

- Support the Warfighter to plan and conduct worldwide Wargames and Exercises supporting Missile Defense System development and fielding.
- Enable the Warfighter to define, test, deploy, and employ new missile defense capabilities.
- Support Joint Functional Component Commander for Integrated Missile Defense (JFCC IMD) Missile Defense System Table Top Exercises (TTX) to facilitate the global missile defense capability and to refine the European capability concept of operations through low-fidelity demonstration Models & Simulation (M&S).
- Continue test planning for Wargames and Exercises.

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

	FY 2023	FY 2024	FY 2025
Title: Wargames and Exercises	27.349	23.024	21.074
Articles:	-	-	-
Description: The Missile Defense Agency (MDA) provides operational-level interfaces to the Global Combatant Commands (GCCs) and ensures Warfighter participation to develop future missile defense capabilities.			
- Work with Combatant Commands (CCMDs) on the inclusion of Allies and regional partners into MDA Ground and Flight tests and Wargames and Exercises simulations.			
- Support JFCC IMD and United States European Command (USEUCOM) in the European Phased Adaptive Approach (EPAA) implementation process through the planning, testing, integration and execution of Missile Defense System Wargames and Exercises.			
- Support Joint Staff integration of MDA models into Tier I events through the Joint, Live Virtual Constructive campaign.			
- Work with Program Offices and the Warfighter; publish a Concept of Operations that will support future MDA M&S support to Missile Defense System Wargames and Exercises.			
- Coordinate and integrate CCMD requirements into the Missile Defense System Integrated Master Test Plan and Integrated Master Schedule.			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025
<p>- Provide support to the development and update of Ballistic Missile Defense portions of CCMD Operation Plans and Contingency Plans.</p> <p>- Engage in MDA/GCC interface and synchronization of information regarding capabilities and security cooperation strategies.</p> <p>- Develop and provide Wargames, Exercises and TTX in support of CCMD-specific scenarios as listed in the R4-4A schedule for the USEUCOM, United States Indo-Pacific Command (USINDOPACOM), United States Central Command (USCENTCOM), and United States Northern Command / United States Strategic Command Geographic Combatant Commands.</p> <p>USEUCOM Engagement:</p> <p>- Coordinate with USEUCOM for continued MDA support of key EPAA Approach milestones in order to provide a full range of Missile Defense System capabilities addressing ballistic missile threats to the European theater.</p> <p>- Work with USEUCOM to include North Atlantic Treaty Organization Allies and regional partners during MDA Ground tests, Flight tests, Wargames and Exercises in order to improve Allied - United States Missile Defense System interoperability.</p> <p>- Coordinate with MDA program elements to facilitate rapid agency responses to USEUCOM requests for analysis and information. Provide reach-back support for the MDA Assistant to the MDA Director and Liaison Officer in USEUCOM for activities requiring visibility by the MDA Director and Director for Test.</p> <p>USCENTCOM Engagement:</p> <p>- Promote CCMD leadership in developing a regional partner data sharing system supporting USCENTCOM regional Integrated Air and Missile Defense architecture development.</p> <p>- Coordinate with MDA program elements, assisting in planning and execution activities supporting USCENTCOM's regional partners.</p> <p>USINDOPACOM Engagement:</p> <p>- Assist USINDOPACOM leadership in broadening Phased Adaptive Approach planning to address a full range of threats and integration of allies into the Missile Defense System.</p> <p>- Support USINDOPACOM (Operations Directorate) Joint Chiefs of Staff in efforts to promote the Aegis Ashore system.</p> <p>- Share operational information and knowledge and help allies develop common operational procedures.</p> <p>FY 2024 Plans: - SEE ABOVE.</p> <p>FY 2025 Plans:</p>			

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Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2023	FY 2024	FY 2025
- SEE ABOVE.				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Title: Program, Planning and Operations		3.710	3.739	3.783
Articles:		-	-	-
Description: MDA provides and ensures Warfighter participation in the development of future missile defense capabilities and requirements. The key Warfighter interface activities include: - Provide resource management and administration of personnel and funding. - Manage and provide programmatic direction and oversight of the MDA Wargames and Exercise program. - Provide MDA Wargames and Exercises support to the Office of the Secretary of Defense, Military Service Components, the Joint Chiefs of Staff, the CCMD, the JFCC IMD, and international partners/allies to assist warfighter Tactics, Techniques, and Procedures validation and identify gaps that drive warfighter requirements. - Lead MDA planning, testing, integration and execution of all MDA-supported CCMD Wargames and Exercises.				
FY 2024 Plans: - SEE ABOVE.				
FY 2025 Plans: - SEE ABOVE.				
FY 2024 to FY 2025 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		31.059	26.763	24.857
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy In order to optimize the performance of the Missile Defense System, MDA leverages Defense Department executive agents as well as the TEAMS contract.				

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The executing agents utilize various contracting strategies in a flexible manner to maximize their contribution to the Missile Defense System. Products and Services are acquired by competitive means to the extent that is possible and practical.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Missile Defense Agency												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)					Project (Number/Name)						
0400 / 4				PE 0603898C / Ballistic Missile Defense Joint Warfighter Support					MT03 / Joint Warfighter Support Test						
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Wargames and Exercises - Advanced Architecture - Wargame	C/CPFF	PARSONS GOVERNMENT SERVICES INC. : Various	0.000	1.766	Nov 2022	0.000		0.000		-		0.000	0.000	1.766	0.000
Wargames and Exercises - Advanced Architecture - Wargame (Various)	Various	Various : Various	0.000	0.455	Nov 2022	0.700	Nov 2023	2.200	Nov 2024	-		2.200	Continuing	Continuing	Continuing
Wargames and Exercises - SimCenter / Wargames & Exercise (Various)	Various	Various : Various	0.000	0.758	Nov 2022	0.765	Nov 2023	0.773	Nov 2024	-		0.773	Continuing	Continuing	Continuing
Wargames and Exercises - SimCenter / Wargames & Exercises	C/CPIF	JACOBS TECHNOLOGY INC. : Various	0.000	4.519	Nov 2022	4.620	Nov 2023	4.622	Nov 2024	-		4.622	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames Contractor Support - IRES	C/CPIF	JACOBS TECHNOLOGY INC. : Various	0.000	11.730	Nov 2022	0.230	Nov 2023	0.284	Nov 2024	-		0.284	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames Contractor Support - Marzen	C/CPFF	Marzen : Various	0.000	1.704	Nov 2022	3.500	Nov 2023	3.500	Nov 2024	-		3.500	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames Contractor Support-TEAMS	C/CPFF	MP SOLUTIONS, LLC : Various	0.000	3.645	Nov 2022	10.340	Nov 2023	6.684	Nov 2024	-		6.684	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames Support - OGA	Various	Various : Various	0.000	1.059	Nov 2022	0.220	Nov 2023	0.850	Nov 2024	-		0.850	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames and Exercises - TEAMS/Other	C/FFP	Various : Various	145.630	0.000		0.000		0.000		-		0.000	0.000	145.630	0.000
Program, Planning and Operations - Civilian Salaries	Allot	MDA : Various	3.048	1.623	Oct 2022	1.500	Oct 2023	1.432	Oct 2024	-		1.432	Continuing	Continuing	Continuing
Program, Planning and Operations - Program, Planning and Operations - TEAMS	C/CPFF	MP SOLUTIONS, LLC : Various	19.353	1.555	Nov 2022	1.600	Nov 2023	1.678	Nov 2024	-		1.678	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Program, Planning and Operations - Travel/Transportation Account Code (TAC)	Allot	Various : Various	16.132	0.532	Nov 2022	0.639	Nov 2023	0.673	Nov 2024	-		0.673	Continuing	Continuing	Continuing
Subtotal			184.163	29.346		24.114		22.696		-		22.696	Continuing	Continuing	N/A

Remarks
N/A

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Wargames and Exercises - Wargames - I-SIM	C/Various	NORTHROP GRUMMAN : Various	0.000	1.155	Nov 2022	1.549	Nov 2023	1.549	Nov 2024	-		1.549	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames Support - OGA	Various	Various : Various	0.000	0.558	Nov 2022	1.100	Nov 2023	0.612	Nov 2024	-		0.612	Continuing	Continuing	Continuing
Subtotal			0.000	1.713		2.649		2.161		-		2.161	Continuing	Continuing	N/A

Remarks
N/A

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	184.163	31.059	26.763	24.857	-	24.857	Continuing	Continuing	N/A

Remarks
Award Dates reflect date of first obligation. Additional obligations may incrementally occur throughout the year.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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	Significant Event Complete ▲ Significant Event Planned △	Milestone Decision Complete ★ Milestone Decision Planned ☆	Element Test Complete ◆ Element Test Planned ◇	System Level Test Complete ● System Level Test Planned ○				Complete Activity ◆ Planned Activity ◇								
				FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029						
(EX) Joint Live, Virtual, and Constructive 2021/2022	◆															
(WG) Demonstration, Table-top Exercises & Experiments 22	◆															
(EX) VIGILANT SHIELD 23	◆															
(EX) KEEN SWORD 23	◆															
(EX) GLOBAL RESPONSE EXERCISE 11	◆															
(EX) GLOBAL THUNDER 22	◆															
(EX) COMBINED FLYING TRAINING EVENT (CFTE) 23	▲															
(EX) Joint Project Optic Windmill 2023	◆	◆	◆													
(EX) AIR AND MISSILE DEFENSE EXERCISE 23	◆	◆	◆													
(WG) Demonstration, Table-top Exercises & Experiments 23	◆	◆	◆	◆												
(WG) NIMBLE TITAN 24	◆	◆	◆	◆	◆											
(EX) AUSTERE CHALLENGE 23		◆														
(EX) RESILIENT SHIELD 23		▲														
(EX) COMBINED COMMAND POST TRAINING 23-1		▲														
(EX) PACIFIC FURY 23		▲														
(EX) ASTRAL KNIGHT 23			▲													
(EX) PACIFIC SENTRY 23			▲													
(EX) GLOBAL LIGHTNING 23		◆	◆													
(EX) ORIENT SHIELD 23		◆	◆	◆												
(WG) Huntsville Wargame 23		◆	◆	◆												
(EX) ULCHI FREEDOM SHIELD 23				▲												
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 23		◆	◆	◆												
(WG) Space and Missile Defense Symposium 23		◆	◆	◆												
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 23			◇	◇	◇											

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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	Significant Event Complete ▲			Milestone Decision Complete ★			Element Test Complete ◆			System Level Test Complete ●			Complete Activity ◆								
	Significant Event Planned △			Milestone Decision Planned ☆			Element Test Planned ◇			System Level Test Planned ○			Planned Activity ◇								
	FY 2023			FY 2024			FY 2025			FY 2026			FY 2027			FY 2028			FY 2029		
(EX) EUROPEAN TEST BED 23	◇	◇	◇	◇																	
(EX) Joint Live, Virtual, and Constructive 2023/2024	◇	◇	◇	◇	◇	◇	◇	◇													
(EX) VIGILANT DEFENSE 24 (formerly COMBINED FLYING TRAINING EVENT (CFTE) 24)							◆														
(EX) GLOBAL THUNDER 24		◆	◆	◆	◆																
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 24-1					◇																
(EX) KEEN EDGE 24				◇	◇	◇	◇														
(EX) PACIFIC FURY 24								△													
(EX) EAGLE RESOLVE 24								△													
(EX) AUSTERE CHALLENGE 24								◇													
(EX) FREEDOM SHIELD 24								△													
(EX) RESILIENT SHIELD 24								△													
(EX) AIR AND MISSILE DEFENSE EXERCISE 24								◇	◇	◇											
(EX) ASTRAL KNIGHT 24											△										
(EX) VIGILANT SHIELD 24						◇	◇	◇	◇	◇											
(WG) Missile Defeat Wargame 24					◇	◇	◇	◇	◇	◇											
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 24-2											◇										
(EX) GLOBAL LIGHTNING 24											◇	◇									
(WG) Demonstration, Table-top Exercises & Experiments 24											◇	◇	◇	◇							
(EX) EUROPEAN TEST BED 24											◇	◇	◇								
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 24											◇	◇	◇								
(EX) PACIFIC SENTRY 24														△							
(EX) ULCHI FREEDOM SHIELD 24														△							
(EX) KEEN SWORD 25														◇	◇						
VIGILANT DEFENSE (VD) 25																					△

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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	Significant Event Complete ▲			Milestone Decision Complete ★			Element Test Complete ◆			System Level Test Complete ●			Complete Activity ◆								
	Significant Event Planned △			Milestone Decision Planned ☆			Element Test Planned ◇			System Level Test Planned ○			Planned Activity ◇								
	FY 2023			FY 2024			FY 2025			FY 2026			FY 2027			FY 2028			FY 2029		
(EX) AUSTERE CHALLENGE 25									◇												
(EX) JOINT PROJECT OPTIC WINDMILL 2025									◇												
(EX) RESILIENT SHIELD 25									△												
FREEDOM SHIELD 25									△												
(EX) PACIFIC FURY 25									△												
(EX) AIR AND MISSILE DEFENSE EXERCISE 25									◇	◇	◇										
(EX) GLOBAL LIGHTNING 25									◇	◇											
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 25										◇											
(EX) ASTRAL KNIGHT 25										△											
(EX) PACIFIC SENTRY 25										△											
(WG) Space and Missile Defense Symposium 25									◇	◇	◇										
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 25									◇	◇	◇										
ULCHI FREEDOM SHIELD 25											△										
(EX) VIGILANT SHIELD 25											◇										
(WG) Huntsville Wargame 25									◇	◇	◇										
Regional Integrated Air and Missile Defense Exercise 25									◇	◇	◇	◇									
Internal Look 25									◇	◇	◇	◇									
(WG) Demonstration, Table-top Exercises & Experiments 25									◇	◇	◇	◇									
Juniper Cobra 25									◇	◇	◇	◇									
(EX) EUROPEAN TEST BED 25										◇	◇	◇									
(EX) VIGILANT SHIELD 26												◇	◇								
(EX) Regional Integrated Air & Missile Defense 26										◇	◇	◇	◇								
(EX) VIGILANT DEFENSE 26													△								
(EX) KEEN EDGE 26												◇	◇	◇							

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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Significant Event Complete ▲	Milestone Decision Complete ★	Element Test Complete ◆	System Level Test Complete ●	Complete Activity ◆
Significant Event Planned △	Milestone Decision Planned ☆	Element Test Planned ◇	System Level Test Planned ○	Planned Activity ◇

	FY 2023			FY 2024			FY 2025			FY 2026			FY 2027			FY 2028			FY 2029		
(EX) EAGLE RESOLVE 28																		◇			
(EX) JUNIPER COBRA 28																		◇			
(EX) ASTRAL KNIGHT 28																		△			
(EX) GLOBAL THUNDER 28																		◇			
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 28																		◇			
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 27														◇	◇	◇	◇	◇	◇		
(WG) Demonstration, Table-top Exercises & Experiments 28																	◇	◇	◇	◇	
(EX) EUROPEAN TEST BED 28																	◇	◇	◇		
(EX) FREEDOM SHIELD 28																		◇			
(EX) Regional Integrated Air & Missile Defense 29																	◇	◇	◇	◇	
(EX) VIGILANT DEFENSE 29																				◇	
(EX) KEEN SWORD 29																				◇	
(EX) VIGILANT SHIELD 29																				◇	
(EX) PACIFIC FURY 29																					◇
(EX) AUSTERE CHALLENGE 29																					◇
(EX) RESILIENT SHIELD 29																					◇
(EX) JOINT PROJECT OPTIC WINDMILL 2029																					◇
(EX) GLOBAL LIGHTNING 29																					◇
(EX) AIR AND MISSILE DEFENSE EXERCISE 29																				◇	◇
(EX) ASTRAL KNIGHT 29																					◇
(EX) GLOBAL THUNDER 29																					◇
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 29																					◇
(EX) PACIFIC SENTRY 29																					◇
(WG) Demonstration, Table-top Exercises & Experiments 29																				◇	◇

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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	Significant Event Complete ▲			Milestone Decision Complete ★			Element Test Complete ◆			System Level Test Complete ●			Complete Activity ◆													
	Significant Event Planned △			Milestone Decision Planned ☆			Element Test Planned ◇			System Level Test Planned ○			Planned Activity ◇													
	FY 2023			FY 2024			FY 2025			FY 2026			FY 2027			FY 2028			FY 2029							
(WG) Huntsville Wargame 29																					◇	◇	◇			
(WG) Space and Missile Defense Symposium 29																						◇	◇	◇		
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 29																						◇	◇	◇		
(EX) EUROPEAN TEST BED 29																						◇	◇	◇		
(EX) FREEDOM SHIELD 29																								◇		
(EX) ULCHI FREEDOM SHIELD 29																								◇		
(EX) Joint Live, Virtual, and Constructive 2029/2030																								◇	◇	◇

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
(EX) Joint Live, Virtual, and Constructive 2021/2022	1	2023	1	2023
(WG) Demonstration, Table-top Exercises & Experiments 22	1	2023	1	2023
(EX) VIGILANT SHIELD 23	1	2023	1	2023
(EX) KEEN SWORD 23	1	2023	1	2023
(EX) GLOBAL RESPONSE EXERCISE 11	1	2023	1	2023
(EX) GLOBAL THUNDER 22	1	2023	1	2023
(EX) COMBINED FLYING TRAINING EVENT (CFTE) 23	1	2023	1	2023
(EX) Joint Project Optic Windmill 2023	1	2023	3	2023
(EX) AIR AND MISSILE DEFENSE EXERCISE 23	1	2023	3	2023
(WG) Demonstration, Table-top Exercises & Experiments 23	1	2023	4	2023
(WG) NIMBLE TITAN 24	1	2023	1	2024
(EX) AUSTERE CHALLENGE 23	2	2023	2	2023
(EX) RESILIENT SHIELD 23	2	2023	2	2023
(EX) COMBINED COMMAND POST TRAINING 23-1	2	2023	2	2023
(EX) PACIFIC FURY 23	2	2023	2	2023
(EX) ASTRAL KNIGHT 23	3	2023	3	2023
(EX) PACIFIC SENTRY 23	3	2023	3	2023
(EX) GLOBAL LIGHTNING 23	2	2023	3	2023
(EX) ORIENT SHIELD 23	2	2023	4	2023
(WG) Huntsville Wargame 23	2	2023	4	2023
(EX) ULCHI FREEDOM SHIELD 23	4	2023	4	2023
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 23	2	2023	4	2023

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
(WG) Space and Missile Defense Symposium 23	2	2023	4	2023
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 23	3	2023	1	2024
(EX) EUROPEAN TEST BED 23	2	2023	1	2024
(EX) Joint Live, Virtual, and Constructive 2023/2024	2	2023	1	2025
(EX) VIGILANT DEFENSE 24 (formerly COMBINED FLYING TRAINING EVENT (CFTE) 24)	1	2024	1	2024
(EX) GLOBAL THUNDER 24	2	2023	1	2024
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 24-1	1	2024	1	2024
(EX) KEEN EDGE 24	3	2023	2	2024
(EX) PACIFIC FURY 24	2	2024	2	2024
(EX) EAGLE RESOLVE 24	2	2024	2	2024
(EX) AUSTERE CHALLENGE 24	2	2024	2	2024
(EX) FREEDOM SHIELD 24	2	2024	2	2024
(EX) RESILIENT SHIELD 24	2	2024	2	2024
(EX) AIR AND MISSILE DEFENSE EXERCISE 24	1	2024	3	2024
(EX) ASTRAL KNIGHT 24	3	2024	3	2024
(EX) VIGILANT SHIELD 24	3	2023	3	2024
(WG) Missile Defeat Wargame 24	2	2023	3	2024
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 24-2	3	2024	3	2024
(EX) GLOBAL LIGHTNING 24	2	2024	3	2024
(WG) Demonstration, Table-top Exercises & Experiments 24	1	2024	4	2024
(EX) EUROPEAN TEST BED 24	2	2024	4	2024
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 24	2	2024	4	2024
(EX) PACIFIC SENTRY 24	4	2024	4	2024
(EX) ULCHI FREEDOM SHIELD 24	4	2024	4	2024
(EX) KEEN SWORD 25	4	2024	1	2025

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
VIGILANT DEFENSE (VD) 25	1	2025	1	2025
(EX) AUSTERE CHALLENGE 25	2	2025	2	2025
(EX) JOINT PROJECT OPTIC WINDMILL 2025	2	2025	2	2025
(EX) RESILIENT SHIELD 25	2	2025	2	2025
FREEDOM SHIELD 25	2	2025	2	2025
(EX) PACIFIC FURY 25	2	2025	2	2025
(EX) AIR AND MISSILE DEFENSE EXERCISE 25	1	2025	3	2025
(EX) GLOBAL LIGHTNING 25	2	2025	3	2025
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 25	3	2025	3	2025
(EX) ASTRAL KNIGHT 25	3	2025	3	2025
(EX) PACIFIC SENTRY 25	3	2025	3	2025
(WG) Space and Missile Defense Symposium 25	2	2025	4	2025
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 25	2	2025	4	2025
ULCHI FREEDOM SHIELD 25	4	2025	4	2025
(EX) VIGILANT SHIELD 25	4	2025	4	2025
(WG) Huntsville Wargame 25	2	2025	4	2025
Regional Integrated Air and Missile Defense Exercise 25	1	2025	4	2025
Internal Look 25	1	2025	4	2025
(WG) Demonstration, Table-top Exercises & Experiments 25	1	2025	4	2025
Juniper Cobra 25	1	2025	4	2025
(EX) EUROPEAN TEST BED 25	2	2025	4	2025
(EX) VIGILANT SHIELD 26	4	2025	1	2026
(EX) Regional Integrated Air & Missile Defense 26	2	2025	1	2026
(EX) VIGILANT DEFENSE 26	1	2026	1	2026
(EX) KEEN EDGE 26	4	2025	2	2026

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
(EX) JUNIPER COBRA 26	1	2026	2	2026
(EX) FREEDOM SHIELD 26	2	2026	2	2026
(EX) EAGLE RESOLVE 26	2	2026	2	2026
(EX) PACIFIC FURY 26	2	2026	2	2026
(EX) RESILIENT SHIELD 26	2	2026	2	2026
(EX) GLOBAL THUNDER 26	3	2025	3	2026
(WG) NIMBLE TITAN 26	1	2025	3	2026
(WG) MISSILE DEFEAT WARGAME 26	2	2025	3	2026
(EX) AIR AND MISSILE DEFENSE EXERCISE 26	1	2026	3	2026
(EX) GLOBAL LIGHTNING 26	2	2026	3	2026
(EX) ASTRAL KNIGHT 26	3	2026	3	2026
(WG) Demonstration, Table-top Exercises & Experiments 26	1	2026	4	2026
(EX) EUROPEAN TEST BED 26	2	2026	4	2026
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 26	2	2026	4	2026
(EX) ULCHI FREEDOM SHIELD 26	4	2026	4	2026
(EX) PACIFIC SENTRY 26	4	2026	4	2026
(EX) JOINT LIVE, VIRTUAL, AND CONSTRUCTIVE 2025/2026	2	2025	1	2027
(EX) Regional Integrated Air & Missile Defense 27	2	2026	1	2027
(EX) GLOBAL RESPONSE EXERCISE 14	1	2027	1	2027
(EX) VIGILANT DEFENSE 27	1	2027	1	2027
(EX) KEEN SWORD 27	1	2027	1	2027
(EX) VIGILANT SHIELD 27	1	2027	1	2027
(EX) PACIFIC FURY 27	2	2027	2	2027
(EX) AUSTERE CHALLENGE 27	2	2027	2	2027
(EX) RESILIENT SHIELD 27	2	2027	2	2027

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
(EX) JOINT PROJECT OPTIC WINDMILL 2027	2	2027	2	2027
(EX) GLOBAL LIGHTNING 27	2	2027	2	2027
(EX) AIR AND MISSILE DEFENSE EXERCISE 27	1	2027	3	2027
(EX) ASTRAL KNIGHT 27	3	2027	3	2027
(EX) GLOBAL THUNDER 27	3	2027	3	2027
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 27	3	2027	3	2027
(EX) PACIFIC SENTRY 27	3	2027	3	2027
(WG) Demonstration, Table-top Exercises & Experiments 27	1	2027	4	2027
(WG) Huntsville Wargame 27	2	2027	4	2027
(WG) Space and Missile Defense Symposium 27	2	2027	4	2027
(EX) EUROPEAN TEST BED 27	2	2027	4	2027
(EX) FREEDOM SHIELD 27	4	2027	4	2027
(EX) ULCHI FREEDOM SHIELD 27	4	2027	4	2027
(WG) NIMBLE TITAN 28	1	2027	1	2028
(EX) Joint Live, Virtual, and Constructive 2027/2028	2	2027	1	2028
(EX) Regional Integrated Air & Missile Defense 28	2	2027	1	2028
VIGILANT DEFENSE (VD) 28	1	2028	1	2028
(EX) VIGILANT SHIELD 28	1	2028	1	2028
(EX) RESILIENT SHIELD 28	2	2028	2	2028
(EX) KEEN EDGE 28	2	2028	2	2028
(EX) GLOBAL LIGHTNING 28	2	2028	2	2028
(WG) MISSILE DEFEAT WARGAME 28	2	2027	3	2028
(EX) AIR AND MISSILE DEFENSE EXERCISE 30-2	1	2028	3	2028
(EX) EAGLE RESOLVE 28	3	2028	3	2028
(EX) JUNIPER COBRA 28	3	2028	3	2028

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
(EX) ASTRAL KNIGHT 28	3	2028	3	2028
(EX) GLOBAL THUNDER 28	3	2028	3	2028
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 28	3	2028	3	2028
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 27	2	2027	4	2028
(WG) Demonstration, Table-top Exercises & Experiments 28	1	2028	4	2028
(EX) EUROPEAN TEST BED 28	2	2028	4	2028
(EX) FREEDOM SHIELD 28	4	2028	4	2028
(EX) Regional Integrated Air & Missile Defense 29	2	2028	1	2029
(EX) VIGILANT DEFENSE 29	1	2029	1	2029
(EX) KEEN SWORD 29	1	2029	1	2029
(EX) VIGILANT SHIELD 29	1	2029	1	2029
(EX) PACIFIC FURY 29	2	2029	2	2029
(EX) AUSTERE CHALLENGE 29	2	2029	2	2029
(EX) RESILIENT SHIELD 29	2	2029	2	2029
(EX) JOINT PROJECT OPTIC WINDMILL 2029	2	2029	2	2029
(EX) GLOBAL LIGHTNING 29	2	2029	2	2029
(EX) AIR AND MISSILE DEFENSE EXERCISE 29	1	2029	3	2029
(EX) ASTRAL KNIGHT 29	3	2029	3	2029
(EX) GLOBAL THUNDER 29	3	2029	3	2029
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 29	3	2029	3	2029
(EX) PACIFIC SENTRY 29	3	2029	3	2029
(WG) Demonstration, Table-top Exercises & Experiments 29	1	2029	4	2029
(WG) Huntsville Wargame 29	2	2029	4	2029
(WG) Space and Missile Defense Symposium 29	2	2029	4	2029
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 29	2	2029	4	2029

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>

Events	Start		End	
	Quarter	Year	Quarter	Year
(EX) EUROPEAN TEST BED 29	2	2029	4	2029
(EX) FREEDOM SHIELD 29	4	2029	4	2029
(EX) ULCHI FREEDOM SHIELD 29	4	2029	4	2029
(EX) Joint Live, Virtual, and Constructive 2029/2030	2	2029	1	2030

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MC03 / <i>Cyber Operations</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
MC03: <i>Cyber Operations</i>	0.599	0.153	0.164	0.168	-	0.168	0.171	0.174	0.177	0.181	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

N/A

A. Mission Description and Budget Item Justification

This program verifies and validates that cybersecurity and/or cybersecurity-enabled products (firewalls, data/network encryption devices, routers, Intrusion Detection Systems, etc.) used within the Missile Defense Agency (MDA) infrastructure have a current and Evaluated Assurance Level (EAL) certification and rating. They assure that validated information technology (IT) products are listed on the Department of Defense (DoD) Approved Products List Integrated Tracking System (APLITS). There is an additional requirement to routinely identify findings and prepare a report with recommendations. This support is required in the IT product evaluation. Activities in the Project are necessary to comply with the Federal Information Systems Modernization Act of 2014.

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

	FY 2023	FY 2024	FY 2025
Title: Strategic Warfighter Integration Software Assurance Support	0.153	0.164	0.168
Articles:	-	-	-
<p>Description: Perform manual and automated software code analysis, using government furnished equipment tools (e.g. Fortify 360), to detect false positives, weaknesses, and vulnerabilities.</p> <ul style="list-style-type: none"> - Verify and validate cybersecurity and/or cybersecurity-enabled products (firewalls, data/network encryptors, routers, Intrusion Detection Systems, etc.) used within the MDA infrastructure have a current and EAL certification and rating. Validate IT products are listed on the DoD APLITS. - Participate in meetings with customers to review software analysis findings and proposed courses of action for remediation. - Prepare a comprehensive report detailing the weaknesses and vulnerabilities found. Document the references to files and line numbers. - Maintain a record of all software code analysis documentation and organized in accordance with Government policy. <p>Specific and/or unique accomplishments to each FY are as follows:</p> <p>FY 2024 Plans: - SEE ABOVE</p> <p>FY 2025 Plans:</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MC03 / <i>Cyber Operations</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025
- SEE ABOVE			
FY 2024 to FY 2025 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	0.153	0.164	0.168

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

N/A

Remarks

D. Acquisition Strategy

This project leverages the MDA Integrated Research and Development for Enterprise Solutions contract which provides enterprise and baseline IT services.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MC03 / <i>Cyber Operations</i>
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Strategic Warfighter Integration Software Assurance Support - DW Cyber Support (ICVA)	C/CPFF	Decisive Analytics Corp. : CO	0.599	0.153	Jan 2023	0.164	Jan 2024	0.168	Jan 2025	-		0.168	Continuing	Continuing	Continuing
Subtotal			0.599	0.153		0.164		0.168		-		0.168	Continuing	Continuing	N/A

Remarks
N/A

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals		0.599	0.153	0.164	0.168	-	0.168	Continuing	Continuing	N/A

Remarks
Award Dates reflect date of first obligation. Additional obligations may incrementally occur throughout the year.

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MC03 / <i>Cyber Operations</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MC03 Cyber Operations	1	2023	4	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency										Date: March 2024		
Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>				Project (Number/Name) MD40 / <i>Program-Wide Support</i>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
MD40: <i>Program-Wide Support</i>	22.728	2.337	1.715	1.837	-	1.837	2.067	2.083	2.310	2.453	Continuing	Continuing
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.

A. Mission Description and Budget Item Justification

PWS contains non-headquarters management costs in support of MDA functions and activities across the entire Missile Defense System. These functions include Government Civilians and Contract Support Services. This effort provides integrity and oversight of the Missile Defense System 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 2023	FY 2024	FY 2025
Title: Program Wide Support	2.337	1.715	1.837
Articles:	-	-	-
Description: PWS contains non-headquarters management costs in support of MDA functions and activities across the entire Missile Defense System. These functions include Government Civilians and Contract Support Services. This effort provides integrity and oversight of the Missile Defense System 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			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency		Date: March 2024		
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD40 / <i>Program-Wide Support</i>		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2023	FY 2024	FY 2025
<p>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.</p> <p>FY 2024 Plans: - SEE ABOVE.</p> <p>FY 2025 Plans: - SEE ABOVE.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>				
Accomplishments/Planned Programs Subtotals		2.337	1.715	1.837
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
<p>The acquisition strategy for MDA Consolidated Support consists of contract actions to industry for: a) Engineering and technical support; b) studies, analyses, and evaluations; and c) management and professional services to MDA functional organizations and program offices. With a focus to achieve Small Business goals, MDA is leveraging existing contracts and will competitively award new contracts to meet MDA's Fiscal Years 2020-2030 Advisory and Assistance Services support.</p>				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Missile Defense Agency **Date:** March 2024

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD40 / <i>Program-Wide Support</i>
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Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Program Wide Support - Agency Operations and Support Civilian Salaries, Travel, Training	Allot	MDA : Multi: AK,AL, CA, CO, VA	9.021	1.280	Oct 2022	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Services	C/CPFF	TBD : AL	0.000	0.000		0.000		1.769	Nov 2024	-		1.769	0.000	1.769	0.000
Program Wide Support - Agency Operations and Support Services (Reqn)	Reqn	Various : Multi: AK, AL, CA, CO, VA	1.496	0.000		0.000		0.000		-		0.000	0.000	1.496	0.000
Program Wide Support - Agency Operations and Support Services - DAU	MIPR	DOD - DEFENSE ACQUISITION UNIVERSITY (DAU) : AL, CO, VA	10.681	0.149	Jan 2023	1.587	Jan 2024	0.000		-		0.000	0.000	12.417	0.000
Program Wide Support - Prior year no longer funded in the FYDP	Various	Various : Various	1.457	0.000		0.000		0.000		-		0.000	0.000	1.457	0.000
Subtotal			22.655	1.429		1.587		1.769		-		1.769	Continuing	Continuing	N/A

Remarks
N/A

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Program Wide Support - Agency Operations Management	C/CPFF	L.C. Wright, Inc. : AL	0.073	0.908	Jun 2023	0.128	Dec 2023	0.068	Dec 2024	-		0.068	Continuing	Continuing	Continuing
Subtotal			0.073	0.908		0.128		0.068		-		0.068	Continuing	Continuing	N/A

Remarks
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Missile Defense Agency								Date: March 2024			
Appropriation/Budget Activity 0400 / 4			R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>				Project (Number/Name) MD40 / <i>Program-Wide Support</i>				
	Prior Years	FY 2023	FY 2024		FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	22.728	2.337	1.715		1.837	-	1.837	Continuing	Continuing	N/A	

Remarks
Award Dates reflects date of first obligation. Additional obligations may incrementally occur throughout the year.

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Missile Defense Agency		Date: March 2024
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Joint Warfighter Support</i>	Project (Number/Name) MD40 / <i>Program-Wide Support</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MD40 Program-Wide Support	1	2023	4	2029