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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	333.314	50.261	50.269	48.248	-	48.248	49.164	50.445	51.542	52.859	Continuing	Continuing
MD03: <i>Joint Warfighter Support</i>	152.888	18.042	17.537	19.606	-	19.606	20.067	20.432	20.817	21.209	Continuing	Continuing
MT03: <i>Joint Warfighter Support Test</i>	159.209	30.109	30.748	26.763	-	26.763	27.160	27.804	28.460	29.129	Continuing	Continuing
MC03: <i>Cyber Operations</i>	0.448	0.151	0.159	0.164	-	0.164	0.168	0.171	0.174	0.177	Continuing	Continuing
MD40: <i>Program-Wide Support</i>	20.769	1.959	1.825	1.715	-	1.715	1.769	2.038	2.091	2.344	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, and operational support, to include Real World testing and validation of the warfighter's operational Common Integration Broadcast (CIB). 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 CIB. 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 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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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Missile Defense Agency	Date: March 2023
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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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	50.594	50.269	51.849	-	51.849
Current President's Budget	50.261	50.269	48.248	-	48.248
Total Adjustments	-0.333	0.000	-3.601	-	-3.601
• 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	-0.333	0.000			
• Other Adjustment	0.000	0.000	-3.601	-	-3.601

Change Summary Explanation

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
MD03: <i>Joint Warfighter Support</i>	152.888	18.042	17.537	19.606	-	19.606	20.067	20.432	20.817	21.209	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

The increase from FY 2023 to FY 2024 provides for an increase in primary function requirements and funding for the addition of Naval Reserve support to the Missile Defense Agency (MDA).

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 2022	FY 2023	FY 2024
Title: Strategic Warfighter Integration	18.042	17.537	19.606
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 two 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.			

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency		Date: March 2023
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 2022	FY 2023	FY 2024
<ul style="list-style-type: none"> - 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. - 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 (MFRL). - 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 (DoD) 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>			

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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) MD03 / <i>Joint Warfighter Support</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024
<p>- 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.</p> <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 (MDST) support to increase operator proficiency, competence, and confidence; provide initial qualification training; and ship certification for Aegis BMD crews.</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 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>			

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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) MD03 / <i>Joint Warfighter Support</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024
Specific and/or unique accomplishments for each FY are as follows:			
<p>FY 2023 Plans: - SEE ABOVE</p> <p>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 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</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The increase from FY 2023 to FY 2024 provides an increase in primary function requirements and funding for the addition of Naval Reserve support to the Missile Defense Agency (MDA).</p>			
Accomplishments/Planned Programs Subtotals	18.042	17.537	19.606

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
• 0603882C: <i>Ballistic Missile Defense Midcourse Defense Segment</i>	707.632	689.018	903.633	-	903.633	852.567	906.634	930.538	875.198	Continuing	Continuing
• 0603884C: <i>Ballistic Missile Defense Sensors</i>	250.123	230.502	239.159	-	239.159	212.191	233.877	242.623	251.226	Continuing	Continuing
• 0603890C: <i>BMD Enabling Programs</i>	616.800	588.847	597.720	-	597.720	620.823	639.398	648.954	650.432	Continuing	Continuing
• 0603892C: <i>AEGIS BMD</i>	628.014	595.572	693.727	-	693.727	639.678	706.974	699.611	733.909	Continuing	Continuing
• 0603896C: <i>Ballistic Missile Defense Command and</i>	556.914	589.374	554.201	-	554.201	574.275	585.966	598.896	582.156	Continuing	Continuing

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
<i>Control, Battle Management & Communication</i>											
• 0603904C: <i>Missile Defense Integration and Operations Center (MDIOC)</i>	44.188	49.367	50.549	-	50.549	56.624	58.020	59.193	60.615	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 2024 Missile Defense Agency **Date:** March 2023

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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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-	-	-	-	-	-	-	-	-	-	-	N/A

Remarks
N/A

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 - 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 - Strategic Warfighter Integration - Administrative A&AS	C/CPFF	YORKTOWN SYSTEMS GROUP, INC. : Various	1.972	0.000		0.000		0.105	Nov 2023	-		0.105	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Strategic Warfighter Integration - Civilian Salaries/ Operations Sustainment	Allot	MDA : Colorado Springs/Huntsville, NCR	47.812	5.531	Oct 2021	5.412	Oct 2022	5.781	Oct 2023	-		5.781	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Strategic Warfighter Integration - Current Operations	C/CPAF	Jacobs Technology/ IRES : Colorado Springs	27.776	2.435	Dec 2021	1.248	Nov 2022	1.053	Nov 2023	-		1.053	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Strategic Warfighter Integration - IT / SLA / BAM	C/CPAF	Jacobs Technology/ IRES : Colorado Springs, Huntsville	5.685	0.206	Jan 2022	0.596	Jan 2023	1.027	Jan 2024	-		1.027	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Strategic Warfighter Integration - MDST	C/CPAF	Northrop Grumman/ SWDC : Colorado Springs	29.980	5.826	Nov 2021	4.149	Nov 2022	4.228	Nov 2023	-		4.228	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 - Strategic Warfighter Integration - Strategic Warfighter Integration - Reservist Support	MIPR	DOD - USN - NAVAL INFORMATION WARFARE CENTER (NIWC) PACIFIC : Various	0.000	0.000		0.000		1.182	Oct 2023	-		1.182	0.000	1.182	0.000
Strategic Warfighter Integration - Strategic Warfighter Integration - Travel and PCS	Allot	MDA : Colorado Springs, Huntsville, NCR	1.873	0.588	Oct 2021	0.359	Nov 2022	0.365	Nov 2023	-		0.365	Continuing	Continuing	Continuing
Strategic Warfighter Integration - Strategic Warfighter Integration - Warfighter Support A&AS	C/CPFF	STRATEGIC ALLIANCE SOLUTIONS LLC : Colorado Springs, Huntsville, NCR	36.923	3.456	Nov 2021	5.773	Dec 2022	5.865	Dec 2023	-		5.865	Continuing	Continuing	Continuing
Subtotal			152.888	18.042		17.537		19.606		-		19.606	Continuing	Continuing	N/A

Remarks
N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-		-		-		-		-	-	-	N/A

Remarks
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Missile Defense Agency **Date:** March 2023

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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Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-		-		-		-		-	-	-	N/A

Remarks
N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	152.888	18.042	17.537	19.606	-	19.606	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-4, RDT&E Schedule Profile: PB 2024 Missile Defense Agency **Date:** March 2023

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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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 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Strategic Integration Wargame Events in support of MT03	◇	◇	◇	◇	◇	◇	◇

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency		Date: March 2023
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Jo int 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	2022	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency										Date: March 2023		
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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
MT03: <i>Joint Warfighter Support Test</i>	159.209	30.109	30.748	26.763	-	26.763	27.160	27.804	28.460	29.129	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Decrease from FY 2023 to FY 2024 reflects changes in Wargames and Exercises requirements.

A. Mission Description and Budget Item Justification

Joint Warfighter Support Test is to provide 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 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 2022	FY 2023	FY 2024
Title: Wargames and Exercises	26.355	27.092	23.024
Articles:	-	-	-
<p>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.</p> <ul style="list-style-type: none"> - 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 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 (JLVC) campaign. - Work with Program Offices and the Warfighter; publish a Concept of Operations that will support future MDA Models and Simulation 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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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 2022	FY 2023	FY 2024
<p>- Provide support to the development and update of Ballistic Missile Defense (BMD) portions of CCMD Operation Plans (OPLANS) and Contingency Plans (CONPLANS).</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 Table Top Exercises (TTX) in support of CCMD-specific scenarios as listed in the R4-4A schedule for the United States European Command (USEUCOM), United States Indo-Pacific Command (USINDOPACOM), United States Central Command (USCENTCOM) and United States Northern Command (USNORTHCOM) / United States Strategic Command (USSTRATCOM) 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 NATO Allies and regional partners during MDA Ground tests, Flight tests, Wargames and Exercises in order to improve Allied - US 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 (IAMD) 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) J3 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 2023 Plans:</p> <p>- SEE ABOVE.</p> <p>FY 2024 Plans:</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency		Date: March 2023		
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 2022	FY 2023	FY 2024
- SEE ABOVE.				
FY 2023 to FY 2024 Increase/Decrease Statement: - Decrease from FY 2023 to FY 2024 reflects changes in Wargames and Exercises requirements.				
Title: Program, Planning and Operations		3.754	3.656	3.739
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 2023 Plans: -SEE ABOVE				
FY 2024 Plans: - SEE ABOVE.				
FY 2023 to FY 2024 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		30.109	30.748	26.763
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 MDA Integrated Research and Development for Enterprise Solutions (IRES) contract.				

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency		Date: March 2023
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Jo int Warfighter Support</i>	Project (Number/Name) MT03 / <i>Joint Warfighter Support Test</i>

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 2024 Missile Defense Agency **Date:** March 2023

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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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-		-		-		-		-	-	-	N/A

Remarks
N/A

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 - CSS	C/TBD	TBD : TBD	0.000	0.000		0.000		12.206	Nov 2023	-		12.206	Continuing	Continuing	Continuing
Wargames and Exercises - International Simulation Enhancements	C/Various	NORTHROP GRUMMAN : CO	0.000	0.000		0.000		2.171	Nov 2023	-		2.171	Continuing	Continuing	Continuing
Wargames and Exercises - SimCenter / Wargames & Exercise- SMDC	C/CPFF	DOD - USA - SPACE AND MISSILE DEFENSE COMMAND (SMDC) : AL	0.000	0.000		0.000		0.765	Nov 2023	-		0.765	Continuing	Continuing	Continuing
Wargames and Exercises - SimCenter / Wargames & Exercises	C/PIF	JACOBS TECHNOLOGY INC. : VARIOUS	0.000	4.975	Nov 2021	5.375	Nov 2022	4.620	Nov 2023	-		4.620	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames Support - OGA	MIPR	Various : Various	0.000	0.000		0.000		3.262	Nov 2023	-		3.262	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames and Exercises - Combatant Commanders (COCOM)/Wargame Support	C/Various	IRES/MIPR : Jacobs / CO/TX/NH	124.250	21.380	Nov 2021	21.717	Nov 2022	0.000		-		0.000	Continuing	Continuing	Continuing
Program, Planning and Operations - Civilian Salaries	Allot	MDA : Various	1.527	1.521	Nov 2021	1.451	Nov 2022	1.500	Nov 2023	-		1.500	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 - Program Planning and Operations - Travel/TAC	Allot	DOD - MISSILE DEFENSE AGENCY (MDA) : Various	15.918	0.394	Nov 2021	0.000		0.588	Nov 2023	-		0.588	Continuing	Continuing	Continuing
Program, Planning and Operations - Program, Planning and Operations - CSS	C/CPFF	MP SOLUTIONS, LLC : Various	17.514	1.839	Nov 2021	2.205	Oct 2022	1.651	Nov 2023	-		1.651	Continuing	Continuing	Continuing
Subtotal			159.209	30.109		30.748		26.763		-		26.763	Continuing	Continuing	N/A

Remarks
N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-		-		-		-		-	-	-	N/A

Remarks
N/A

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-		-		-		-		-	-	-	N/A

Remarks
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Missile Defense Agency								Date: March 2023			
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>			
	Prior Years	FY 2022		FY 2023		FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	159.209	30.109		30.748		26.763	-	26.763	Continuing	Continuing	N/A

Remarks
 Prior year funding was captured in the MD03 budget project.
 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 2024 Missile Defense Agency **Date:** March 2023

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 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028						
(WG) Demonstration, Table-top Exercises & Experiments 21	◆																		
(EX) VIGILANT SHIELD 22	◆																		
(EX) GLOBAL THUNDER 21	◆																		
(EX) COMBINED FLYING TRAINING EVENT (CFTE) 22	▲																		
(EX) KEEN EDGE 22	◆	◆																	
(EX) JUNIPER COBRA 22	◆	◆																	
(EX) AIR AND MISSILE DEFENSE EXERCISE 22	◆	◆	◆																
(WG) Missile Defense Wargame 22	◆	◆	◆																
(WG) NIMBLE TITAN 22	◆	◆	◆	◆															
(EX) Joint Live, Virtual, and Constructive 2021/2022	◆	◆	◆	◆	◆														
(EX) EAGLE RESOLVE 22		▲																	
(EX) RESILIENT SHIELD 22		▲																	
(EX) COMBINED COMMAND POST TRAINING 22-1		▲																	
(EX) PACIFIC FURY 22		▲																	
(EX) GLOBAL LIGHTNING 22	◆	◆																	
(EX) STEADFAST ALLIANCE 22	◆	◆																	
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 22	◆	◆	◆																
(EX) EUROPEAN TEST BED 22	◆	◆	◆																
(EX) ASTRAL KNIGHT 22		▲																	
(WG) Demonstration, Table-top Exercises & Experiments 22			◆	◆	◆														
(EX) PACIFIC SENTRY 22				▲															
(EX) COMBINED COMMAND POST TRAINING 22-2				▲															
(EX) VIGILANT SHIELD 23				◆	◆														
(EX) KEEN SWORD 23				◆	◆														

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022			FY 2023			FY 2024			FY 2025			FY 2026			FY 2027			FY 2028		
(EX) GLOBAL RESPONSE EXERCISE 11			◆	◆																	
(EX) GLOBAL THUNDER 22			◆	◆																	
(EX) GLOBAL RESPONSE EXERCISE 12				◇																	
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) GLOBAL LIGHTNING 23					◇	◇															
(EX) EUROPEAN TEST BED 23					◇	◇	◇														
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 23					◇	◇	◇														
(WG) Missile Defense Wargame 24					◇	◇	◇	◇	◇	◇											
(EX) GLOBAL THUNDER 24					◇	◇	◇	◇													
(EX) Joint Live, Virtual, and Constructive 2023/2024					◇	◇	◇	◇	◇	◇	◇	◇									
(EX) VIGILANT SHIELD 24						◇	◇	◇	◇	◇											
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 23						◇															
(EX) ASTRAL KNIGHT 23						△															
(EX) KEEN EDGE 24						◇	◇	◇	◇												
(EX) PACIFIC SENTRY 23						△															
(EX) COMBINED COMMAND POST TRAINING 23-2							△														

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022			FY 2023			FY 2024			FY 2025			FY 2026			FY 2027			FY 2028		
(EX) RESILIENT SHIELD 25											△										
(EX) COMBINED COMMAND POST TRAINING 25-1											△										
(EX) PACIFIC FURY 25											△										
(EX) GLOBAL LIGHTNING 25											◇	◇									
(EX) EUROPEAN TEST BED 25											◇	◇	◇								
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 25											◇	◇	◇								
(WG) MISSILE DEFENSE WARGAME 26											◇	◇	◇	◇	◇	◇					
(EX) JOINT LIVE, VIRTUAL, AND CONSTRUCTIVE 2025/2026											◇	◇	◇	◇	◇	◇	◇	◇			
(EX) GLOBAL THUNDER 25											◇	◇	◇	◇	◇						
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 25											◇										
(EX) ASTRAL KNIGHT 25											△										
(EX) PACIFIC SENTRY 25											△										
(EX) COMBINED COMMAND POST TRAINING 25-2												△									
(EX) VIGILANT SHIELD 25												◇									
(EX) VIGILANT SHIELD 26												◇	◇								
(EX) KEEN EDGE 26												◇	◇	◇							
COMBINED FLYING TRAINING EVENT (CFTE) 26													△								
(EX) JUNIPER COBRA 26													◇	◇							
(EX) AIR AND MISSILE DEFENSE EXERCISE 26													◇	◇	◇						
(WG) Demonstration, Table-top Exercises & Experiments 26													◇	◇	◇	◇					
(EX) COMBINED COMMAND POST TRAINING 26-1														△							
(EX) EAGLE RESOLVE 26														△							
(EX) PACIFIC FURY 26														△							
(EX) RESILIENT SHIELD 26														△							

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022		FY 2023		FY 2024		FY 2025		FY 2026		FY 2027		FY 2028	
(EX) GLOBAL LIGHTNING 26									◇	◇				
(EX) EUROPEAN TEST BED 26									◇	◇	◇			
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 26									◇	◇	◇			
(EX) GLOBAL THUNDER 26									◇	◇	◇	◇	◇	
(EX) ASTRAL KNIGHT 26									△					
(EX) COMBINED COMMAND POST TRAINING 26-2										△				
(EX) PACIFIC SENTRY 26										△				
(EX) GLOBAL RESPONSE EXERCISE 14											◇			
COMBINED FLYING TRAINING EVENT (CFTE) 27											△			
(EX) KEEN SWORD 27											△			
(EX) VIGILANT SHIELD 27											△			
(WG) NIMBLE TITAN 28											◇	◇	◇	◇
EX) AIR AND MISSILE DEFENSE EXERCISE 27											◇	◇	◇	
(WG) Demonstration, Table-top Exercises & Experiments 27											◇	◇	◇	◇
(EX) PACIFIC FURY 27											△			
(EX) AUSTERE CHALLENGE 27											△			
(EX) RESILIENT SHIELD 27											△			
(EX) JOINT PROJECT OPTIC WINDMILL 2027											◇			
(EX) GLOBAL LIGHTNING 27											△			
(EX) EUROPEAN TEST BED 27											◇	◇	◇	
(WG) MISSILE DEFENSE WARGAME 28											◇	◇	◇	◇
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 27											◇	◇	◇	◇
(EX) Joint Live, Virtual, and Constructive 2027/2028											◇	◇	◇	◇
(EX) ASTRAL KNIGHT 27											△			

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022		FY 2023		FY 2024		FY 2025		FY 2026		FY 2027		FY 2028	
(EX) GLOBAL THUNDER 27													△	
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 27													△	
(EX) PACIFIC SENTRY 27													◇	
(EX) COMBINED COMMAND POST TRAINING 27-1													◇	
(EX) COMBINED COMMAND POST TRAINING 27-2													◇	
COMBINED FLYING TRAINING EVENT (CFTE) 28														◇
(EX) VIGILANT SHIELD 28														◇
(EX) AIR AND MISSILE DEFENSE EXERCISE 30-2														◇ ◇ ◇
(WG) Demonstration, Table-top Exercises & Experiments 28														◇ ◇ ◇ ◇
(EX) RESILIENT SHIELD 28														◇
(EX) KEEN EDGE 28														◇
(EX) GLOBAL LIGHTNING 28														△
(EX) EUROPEAN TEST BED 28														◇ ◇ ◇
(EX) EAGLE RESOLVE 28														◇
(EX) JUNIPER COBRA 28														◇
(EX) ASTRAL KNIGHT 28														△
(EX) GLOBAL THUNDER 28														◇
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 28														◇
(EX) COMBINED COMMAND POST TRAINING 28-1														◇

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency		Date: March 2023
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
(WG) Demonstration, Table-top Exercises & Experiments 21	1	2022	1	2022
(EX) VIGILANT SHIELD 22	1	2022	1	2022
(EX) GLOBAL THUNDER 21	1	2022	1	2022
(EX) COMBINED FLYING TRAINING EVENT (CFTE) 22	1	2022	1	2022
(EX) KEEN EDGE 22	1	2022	2	2022
(EX) JUNIPER COBRA 22	1	2022	2	2022
(EX) AIR AND MISSILE DEFENSE EXERCISE 22	1	2022	3	2022
(WG) Missile Defense Wargame 22	1	2022	3	2022
(WG) NIMBLE TITAN 22	1	2022	4	2022
(EX) Joint Live, Virtual, and Constructive 2021/2022	1	2022	1	2023
(EX) EAGLE RESOLVE 22	2	2022	2	2022
(EX) RESILIENT SHIELD 22	2	2022	2	2022
(EX) COMBINED COMMAND POST TRAINING 22-1	2	2022	2	2022
(EX) PACIFIC FURY 22	2	2022	2	2022
(EX) GLOBAL LIGHTNING 22	2	2022	3	2022
(EX) STEADFAST ALLIANCE 22	2	2022	3	2022
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 22	2	2022	4	2022
(EX) EUROPEAN TEST BED 22	2	2022	4	2022
(EX) ASTRAL KNIGHT 22	3	2022	3	2022
(WG) Demonstration, Table-top Exercises & Experiments 22	3	2022	1	2023
(EX) PACIFIC SENTRY 22	4	2022	4	2022
(EX) COMBINED COMMAND POST TRAINING 22-2	4	2022	4	2022

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency **Date:** March 2023

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) VIGILANT SHIELD 23	4	2022	1	2023
(EX) KEEN SWORD 23	4	2022	1	2023
(EX) GLOBAL RESPONSE EXERCISE 11	4	2022	1	2023
(EX) GLOBAL THUNDER 22	4	2022	1	2023
(EX) GLOBAL RESPONSE EXERCISE 12	1	2023	1	2023
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) GLOBAL LIGHTNING 23	2	2023	3	2023
(EX) EUROPEAN TEST BED 23	2	2023	4	2023
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 23	2	2023	4	2023
(WG) Missile Defense Wargame 24	2	2023	3	2024
(EX) GLOBAL THUNDER 24	2	2023	1	2024
(EX) Joint Live, Virtual, and Constructive 2023/2024	2	2023	1	2025
(EX) VIGILANT SHIELD 24	3	2023	3	2024
(EX) EUROPEAN AIR & MISSILE DEFENSE EXERCISE 23	3	2023	3	2023
(EX) ASTRAL KNIGHT 23	3	2023	3	2023
(EX) KEEN EDGE 24	3	2023	2	2024
(EX) PACIFIC SENTRY 23	3	2023	3	2023

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency **Date:** March 2023

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) COMBINED COMMAND POST TRAINING 23-2	4	2023	4	2023
EUROPEAN AIR & MISSILE DEFENSE EXERCISE 24-1	1	2024	1	2024
COMBINED FLYING TRAINING EVENT (CFTE) 24	1	2024	1	2024
(EX) JUNIPER COBRA 24	1	2024	2	2024
(EX) AIR AND MISSILE DEFENSE EXERCISE 24	1	2024	3	2024
(WG) Demonstration, Table-top Exercises & Experiments 24	1	2024	4	2024
(EX) EAGLE RESOLVE 24	2	2024	2	2024
(EX) RESILIENT SHIELD 24	2	2024	2	2024
(EX) COMBINED COMMAND POST TRAINING 24-1	2	2024	2	2024
(EX) PACIFIC FURY 24	2	2024	2	2024
(EX) GLOBAL LIGHTNING 24	2	2024	3	2024
(EX) EUROPEAN TEST BED 24	2	2024	4	2024
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 24	2	2024	4	2024
(EX) ASTRAL KNIGHT 24	3	2024	3	2024
EUROPEAN AIR & MISSILE DEFENSE EXERCISE 24-2	3	2024	3	2024
(EX) PACIFIC SENTRY 24	4	2024	4	2024
(EX) COMBINED COMMAND POST TRAINING 24-2	4	2024	4	2024
(EX) GLOBAL RESPONSE EXERCISE 13	4	2024	4	2024
(EX) KEEN SWORD 25	4	2024	1	2025
COMBINED FLYING TRAINING EVENT (CFTE) 25	1	2025	1	2025
(EX) AIR AND MISSILE DEFENSE EXERCISE 25	1	2025	3	2025
(WG) Demonstration, Table-top Exercises & Experiments 25	1	2025	4	2025
(WG) NIMBLE TITAN 26	1	2025	3	2026
(EX) AUUSTERE CHALLENGE 25	2	2025	2	2025
(EX) JOINT PROJECT OPTIC WINDMILL 2025	2	2025	2	2025

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency **Date:** March 2023

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) RESILIENT SHIELD 25	2	2025	2	2025
(EX) COMBINED COMMAND POST TRAINING 25-1	2	2025	2	2025
(EX) PACIFIC FURY 25	2	2025	2	2025
(EX) GLOBAL LIGHTNING 25	2	2025	3	2025
(EX) EUROPEAN TEST BED 25	2	2025	4	2025
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 25	2	2025	4	2025
(WG) MISSILE DEFENSE WARGAME 26	2	2025	3	2026
(EX) JOINT LIVE, VIRTUAL, AND CONSTRUCTIVE 2025/2026	2	2025	1	2027
(EX) GLOBAL THUNDER 25	3	2025	3	2026
(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
(EX) COMBINED COMMAND POST TRAINING 25-2	4	2025	4	2025
(EX) VIGILANT SHIELD 25	4	2025	4	2025
(EX) VIGILANT SHIELD 26	4	2025	1	2026
(EX) KEEN EDGE 26	4	2025	2	2026
COMBINED FLYING TRAINING EVENT (CFTE) 26	1	2026	1	2026
(EX) JUNIPER COBRA 26	1	2026	2	2026
(EX) AIR AND MISSILE DEFENSE EXERCISE 26	1	2026	3	2026
(WG) Demonstration, Table-top Exercises & Experiments 26	1	2026	4	2026
(EX) COMBINED COMMAND POST TRAINING 26-1	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 LIGHTNING 26	2	2026	3	2026

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency **Date:** March 2023

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) EUROPEAN TEST BED 26	2	2026	4	2026
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 26	2	2026	4	2026
(EX) GLOBAL THUNDER 26	3	2026	3	2027
(EX) ASTRAL KNIGHT 26	3	2026	3	2026
(EX) COMBINED COMMAND POST TRAINING 26-2	4	2026	4	2026
(EX) PACIFIC SENTRY 26	4	2026	4	2026
(EX) GLOBAL RESPONSE EXERCISE 14	1	2027	1	2027
COMBINED FLYING TRAINING EVENT (CFTE) 27	1	2027	1	2027
(EX) KEEN SWORD 27	1	2027	1	2027
(EX) VIGILANT SHIELD 27	1	2027	1	2027
(WG) NIMBLE TITAN 28	1	2027	1	2028
EX) AIR AND MISSILE DEFENSE EXERCISE 27	1	2027	3	2027
(WG) Demonstration, Table-top Exercises & Experiments 27	1	2027	4	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
(EX) JOINT PROJECT OPTIC WINDMILL 2027	2	2027	2	2027
(EX) GLOBAL LIGHTNING 27	2	2027	2	2027
(EX) EUROPEAN TEST BED 27	2	2027	4	2027
(WG) MISSILE DEFENSE WARGAME 28	2	2027	3	2028
(EX) JOINT AIR AND MISSILE DEFENSE EXERCISE SERIES 27	2	2027	4	2028
(EX) Joint Live, Virtual, and Constructive 2027/2028	2	2027	1	2029
(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

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency **Date:** March 2023

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) PACIFIC SENTRY 27	3	2027	3	2027
(EX) COMBINED COMMAND POST TRAINING 27-1	4	2027	4	2027
(EX) COMBINED COMMAND POST TRAINING 27-2	4	2027	4	2027
COMBINED FLYING TRAINING EVENT (CFTE) 28	1	2028	1	2028
(EX) VIGILANT SHIELD 28	1	2028	1	2028
(EX) AIR AND MISSILE DEFENSE EXERCISE 30-2	1	2028	3	2028
(WG) Demonstration, Table-top Exercises & Experiments 28	1	2028	4	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
(EX) EUROPEAN TEST BED 28	2	2028	4	2028
(EX) EAGLE RESOLVE 28	3	2028	3	2028
(EX) JUNIPER COBRA 28	3	2028	3	2028
(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) COMBINED COMMAND POST TRAINING 28-1	4	2028	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency **Date:** March 2023

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>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
MC03: <i>Cyber Operations</i>	0.448	0.151	0.159	0.164	-	0.164	0.168	0.171	0.174	0.177	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 2022	FY 2023	FY 2024
Title: Strategic Warfighter Integration Software Assurance Support	0.151	0.159	0.164
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 2023 Plans: - SEE ABOVE</p> <p>FY 2024 Plans:</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency		Date: March 2023		
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 2022	FY 2023	FY 2024
- SEE ABOVE				
FY 2023 to FY 2024 Increase/Decrease Statement: N/A				
Accomplishments/Planned Programs Subtotals		0.151	0.159	0.164
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy The Decisive Analytics Corp. provides IT labor for verification and validation of cybersecurity and/or cybersecurity-enabled products.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Missile Defense Agency **Date:** March 2023

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 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	0.448	0.151	Jan 2022	0.159	Jan 2023	0.164	Jan 2024	-		0.164	Continuing	Continuing	Continuing
Subtotal			0.448	0.151		0.159		0.164		-		0.164	Continuing	Continuing	N/A

Remarks
N/A

Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	0.448	0.151	0.159	0.164	-	0.164	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 2024 Missile Defense Agency		Date: March 2023
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	2022	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency										Date: March 2023		
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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
MD40: <i>Program-Wide Support</i>	20.769	1.959	1.825	1.715	-	1.715	1.769	2.038	2.091	2.344	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 2022	FY 2023	FY 2024
Title: Program Wide Support	1.959	1.825	1.715
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 2024 Missile Defense Agency		Date: March 2023
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 2022	FY 2023	FY 2024
<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 2023 Plans: - SEE ABOVE</p> <p>FY 2024 Plans: - SEE ABOVE.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: N/A</p>			
Accomplishments/Planned Programs Subtotals	1.959	1.825	1.715

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

N/A

Remarks

D. Acquisition Strategy

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Missile Defense Agency **Date:** March 2023

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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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-	-	-	-	-	-	-	-	-	-	-	N/A

Remarks
N/A

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 Wide Support - Agency Operations and Support Civilian Salaries, Travel, Training	Allot	MDA : Multi: AK,AL, CA, CO, VA	7.630	1.391	Oct 2021	0.000		0.000		-		0.000	0.000	9.021	0.000
Program Wide Support - Agency Operations and Support Services	MIPR	DOD - DEFENSE ACQUISITION UNIVERSITY (DAU) : AL, CO, VA	10.186	0.495	May 2022	1.825	Jan 2023	1.587	Jan 2024	-		1.587	Continuing	Continuing	Continuing
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 - 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			20.769	1.886		1.825		1.587		-		1.587	Continuing	Continuing	N/A

Remarks
N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Subtotal			-	-		-		-		-		-	-	-	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Missile Defense Agency **Date:** March 2023

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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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			

Remarks
N/A

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 Wide Support - Agency Operations Management	C/CPFF	L.C. Wright, Inc. : AL	0.000	0.073	Dec 2021	0.000		0.128	Dec 2023	-		0.128	Continuing	Continuing	Continuing
Subtotal			0.000	0.073		0.000		0.128		-		0.128	Continuing	Continuing	N/A

Remarks
N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	20.769	1.959	1.825	1.715	-	1.715	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-4, RDT&E Schedule Profile: PB 2024 Missile Defense Agency						Date: March 2023													
Appropriation/Budget Activity 0400 / 4						R-1 Program Element (Number/Name) PE 0603898C / <i>Ballistic Missile Defense Jo int Warfighter Support</i>						Project (Number/Name) MD40 / <i>Program-Wide Support</i>							
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 2022		FY 2023		FY 2024		FY 2025		FY 2026		FY 2027		FY 2028	
MD40 Program-Wide Support						◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Missile Defense Agency		Date: March 2023
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	2022	4	2028