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

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</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	139.947	14.907	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	154.854
MD12: <i>Space Tracking and Surveillance System (STSS)</i>	126.566	14.168	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	140.734
MC12: <i>Cyber Operations</i>	7.225	0.156	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.381
MD40: <i>Program-Wide Support</i>	6.156	0.583	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	6.739

**Program MDAP/MAIS Code:** 362

**Note**

No funding is requested for this program; the STSS satellites were passivated in FY 2022.

**A. Mission Description and Budget Item Justification**

The two Space Tracking and Surveillance System (STSS) satellites launched in 2009 provided an on-orbit capability to validate remote sensor fire control integration to inform design and operation of the Missile Defense Agency (MDA) space-layer capabilities. MDA used STSS data to characterize contribution of space data into the Missile Defense System and to provide sensor measurements and background data supporting trade studies and analyses for MDA space-layer options for both Homeland and Regional Defense.

STSS provided risk reduction for MDA space capabilities, models, algorithms, interface definitions, communications architectures, and performance across threat object acquisition, tracking, complex target signatures, discrimination, and multi-mission support. STSS also informs the Missile Defense System Concept of Operations, timelines, and performance requirements for remote space sensor cuing for ballistic missile engagements, expanding battle space for weapon systems such as Aegis Ballistic Missile Defense (BMD).

The STSS program demonstrated the functions and interfaces required for space data delivery to the Missile Defense System, validating the data quality necessary for interceptors to launch and/or engage on STSS sensor data. The two STSS satellites were operated from the ground station processing center at the Missile Defense Space Center (MDSC). The STSS satellites demonstrated MDA space-layer capabilities and reduced risk for future systems (e.g., Hypersonic and Ballistic Tracking Space Sensor) by viewing high-value Targets of Opportunity and participating in Missile Defense System flight tests. Though the STSS satellites operated beyond their life expectancy, MDA continued STSS operations due to the continued contributions to the Missile Defense System mission. Based on annual health and status assessment of the STSS satellites, the STSS satellites were passivated in FY 2022. This decision enabled a safe conclusion and continued stewardship of space for the extremely successful STSS program which demonstrated the necessity of on-orbit detection and tracking capability for the Missile Defense System.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2024 Missile Defense Agency	<b>Date:</b> March 2023
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<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	15.176	0.000	0.000	-	0.000
Current President's Budget	14.907	0.000	0.000	-	0.000
Total Adjustments	-0.269	0.000	0.000	-	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.269	0.000			
• Other Adjustment	0.000	0.000	0.000	-	0.000

**Change Summary Explanation**

N/A

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Missile Defense Agency										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 0400 / 4					<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>				<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
MD12: <i>Space Tracking and Surveillance System (STSS)</i>	126.566	14.168	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	140.734
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

**Note**

No funding is requested for this program; the STSS satellites were passivated in FY 2022.

**A. Mission Description and Budget Item Justification**

Two Space Tracking and Surveillance System (STSS) satellites provided a low earth orbit sensor capability with visible and infrared sensors for integrated testing with other Missile Defense System elements. STSS demonstrated space-based capabilities including persistent tracking and integrated Missile Defense System discrimination improvements. These two satellites provided valuable risk reduction for acquisition, tracking, complex scenes, and discrimination functionality to include stereo data fusion, cueing radars over-the-horizon, and over-the-horizon fire control.

The on-orbit sensors collected invaluable background, scene, and target signature data to support the Missile Defense Agency (MDA) space-layer and other weapon sensor development trade studies. STSS activities provided information for integration of space-based missile tracking (midcourse phase); remote sensor and weapons cueing via Command and Control, Battle Management and Communications (C2BMC); features and discrimination; and hit/impact point assessments. STSS enabled early capability assessment to address Warfighter need for highly available early missile tracking from space, providing an operationally suitable means of global persistent surveillance and engagement.

Lessons learned and data gathered from the STSS demonstration satellites program provide valuable information for MDA space-layer modeling and simulation activities in assessing the capability provided by Overhead Persistent Infrared sensors.

Based on annual health and status assessment of the STSS satellites, the STSS satellites were passivated in FY 2022. This decision enabled a safe conclusion and continued stewardship of space for the extremely successful STSS program which demonstrated the necessity of on-orbit detection and tracking capability for the Missile Defense System.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Demonstration Satellites	14.168	0.000	0.000
<b>Articles:</b>	-	-	-
<b>Description:</b> The Space Tracking and Surveillance System (STSS) demonstration satellites collected and delivered critical space and missile characterization data used to design and inform the Missile Defense System and space-layer capabilities. The Missile Defense Space Center (MDSC) facilities and activities were required for safe STSS satellite operations and sustainment.			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Missile Defense Agency		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>STSS activities included:</p> <ul style="list-style-type: none"> <li>- Perform risk reduction for MDA tracking and surveillance initiatives and Overhead Persistent Infrared (OPIR) Enterprise integration and demonstrations across OPIR cuing, Joint Tasking Operations, and data utility</li> <li>- Collect data to support joint OPIR mission utility assessments across Space Situational Awareness and Battle Space Awareness missions to include integration, analyses, and studies to confirm data sharing capabilities</li> <li>- Participate in Integrated Master Test Plan events</li> <li>- Conduct satellite testing to demonstrate critical space capabilities, including:                             <ul style="list-style-type: none"> <li>-- Ability to support Missile Defense System integrated discrimination efforts</li> <li>-- Ability to support Hit/Kill assessment from space</li> <li>-- Ability to cue Missile Defense System sensors from space</li> <li>-- Ability to provide precision cue to Missile Defense System sensors</li> </ul> </li> <li>- Perform satellite functionality testing and calibration as part of the satellite operations</li> <li>- Conduct missile tracking experiments as identified in the test specific sections</li> <li>- Provide Space Operations Command Space Situational Awareness support</li> </ul> <p>MDSC efforts related to STSS included:</p> <ul style="list-style-type: none"> <li>- Analyze space radiation environment and its influence on MDA space system performance</li> <li>- Analyze space-based sensor data from STSS and OPIR observations, both individually and combined, to identify phenomenology and techniques to aid tracking and discrimination architectures</li> <li>- Provide data for concept studies and analyses for alternative sensor payload configurations</li> <li>- Sustain MDSC resources for all participant activities, including data, voice, and/or video communications, and support MDA cybersecurity directives</li> <li>- Document requirements and perform tracking, design, implementation, and verification necessary for the MDSC facility</li> <li>- Implement ongoing and emerging cybersecurity requirements</li> </ul> <p>Specific and/or unique accomplishments to each Fiscal Year (FY) are as follows:</p> <p><b>FY 2023 Plans:</b> No funding is requested in this Program Element beginning in FY 2023.</p> <p><b>FY 2024 Plans:</b> No funding is requested in this Program Element beginning in FY 2023.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>			

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	14.168	0.000	0.000

**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 Control, Battle Management &amp; Communication</i>	556.914	589.374	554.201	-	554.201	574.275	585.966	598.896	582.156	Continuing	Continuing
• 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
• 0603914C: <i>Ballistic Missile Defense Test</i>	388.956	366.824	360.455	-	360.455	430.281	436.921	465.074	375.256	Continuing	Continuing
• 0603915C: <i>Ballistic Missile Defense Targets</i>	560.445	579.075	570.258	-	570.258	583.747	642.329	664.683	510.063	Continuing	Continuing
• 1206895C: <i>Ballistic Missile Defense System Space Programs</i>	285.706	129.957	109.483	-	109.483	119.860	43.032	43.900	44.957	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

The STSS demonstration satellites program follows MDA's capability-based acquisition strategy that emphasizes testing, incremental development, and evolutionary acquisition. The STSS effort utilizes a single prime contractor, Northrop Grumman Aerospace Systems (NGAS) with the subcontractor Raytheon providing the sensor

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Missile Defense Agency		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</i>
<p>payload. This contract implements MDA's capability-based acquisition strategy by using existing satellite hardware as a low risk opportunity, building upon the lessons learned from previous development efforts, and establishing a series of planned enhancements to bring added capability to the Missile Defense System.</p> <p>MDSC efforts will be acquired on the Specialized Warfighter Development Contract and Integrated Research and Development for Enterprise Solutions vehicles. These contracts are responsible for integrating Research, Development, Test and Evaluation, operations support, and resource and infrastructure management for the MDSC.</p>		

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</i>
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<b>Product Development (\$ in Millions)</b>				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			
Demonstration Satellites - Capability Based R&D	SS/CPAF	NGAS : Redondo Beach, CA, Schriever AFB, CO	81.176	5.082	Nov 2021	0.000		0.000		-		0.000	0.000	86.258	86.258
Demonstration Satellites - STSS Support to Missile Defense Space Center (MDSC)	C/CPFF	Northrop Grumman/ Jacobs Engineering : Schriever AFB, CO	13.557	0.000		0.000		0.000		-		0.000	0.000	13.557	13.557
Demonstration Satellites - Systems Engineering	FFRDC	Aerospace : Los Angeles, CA	1.568	0.000		0.000		0.000		-		0.000	0.000	1.568	1.568
<b>Subtotal</b>			96.301	5.082		0.000		0.000		-		0.000	0.000	101.383	N/A

**Remarks**  
All efforts listed above are a continuation of Program Element (PE) 0603893C, MD12

<b>Support (\$ in Millions)</b>				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			
Demonstration Satellites - CSS Engineering Support	C/CPFF	MODERN TECHNOLOGY SOLUTIONS, INC. : Various	0.000	2.581	Nov 2021	0.000		0.000		-		0.000	0.000	2.581	2.581
Demonstration Satellites - Contract Support Services (CSS)	C/Various	Various : AL, CO	10.949	0.767	Dec 2021	0.000		0.000		-		0.000	0.000	11.716	11.716
Demonstration Satellites - IT User Services	C/CPAF	Northrop Grumman/ Jacobs Engineering : AL, AK, CA, CO, HI, NM, VA	2.475	0.636	Dec 2021	0.000		0.000		-		0.000	0.000	3.111	3.111
Demonstration Satellites - MDA Civilian	Allot	MDA : AL, CO	11.437	3.567	Oct 2021	0.000		0.000		-		0.000	0.000	15.004	15.004

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</i>
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<b>Support (\$ in Millions)</b>				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			
Demonstration Satellites - Other Government Agency (OGA) Civilian	MIPR	SMC : Schriever AFB, CO	0.492	0.000		0.000		0.000		-		0.000	0.000	0.492	0.492
Demonstration Satellites - Program Mission Support	Various	Various : Various	3.361	1.059	Nov 2021	0.000		0.000		-		0.000	0.000	4.420	4.420
Demonstration Satellites - UARC	C/CPFF	Utah University, Space Dynamics Laboratory : CO, VA	1.551	0.476	Nov 2021	0.000		0.000		-		0.000	0.000	2.027	2.027
<b>Subtotal</b>			30.265	9.086		0.000		0.000		-		0.000	0.000	39.351	N/A

**Remarks**  
All efforts listed above are a continuation of PE 0603893C, MD12

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	126.566	14.168	0.000	0.000	-	0.000	0.000	140.734	N/A

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

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2024 Missile Defense Agency						<b>Date:</b> March 2023									
<b>Appropriation/Budget Activity</b> 0400 / 4				<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>				<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</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 ◇						
Satellite Passivation/Contract Completion				◆	◆	◆	◆								

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Missile Defense Agency		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD12 / <i>Space Tracking and Surveillance System (STSS)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Satellite Passivation/Contract Completion	1	2022	4	2022

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

<b>Appropriation/Budget Activity</b> 0400 / 4					<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>				<b>Project (Number/Name)</b> MC12 / <i>Cyber Operations</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
MC12: <i>Cyber Operations</i>	7.225	0.156	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.381
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**  
No funding is requested for this program; the STSS satellites were passivated in FY 2022.

**A. Mission Description and Budget Item Justification**

Space Tracking and Surveillance System (STSS) Cyber Operations sustained the Missile Defense Agency (MDA) Risk Management Framework (RMF) and Security Controls Assessments (SCA)/Controls Validation Testing (CVT) activities, analysis of validation results, risk assessments and reviews of proposed Program Manager/Information System Security Manager (PM/ISSM) Plans of Action and Milestones (POA&Ms) for MDA STSS mission systems. Activities in this Project were necessary to comply with the Federal Information Security Management Act (FISMA).

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

	FY 2022	FY 2023	FY 2024
<b>Title:</b> Network / System Certification and Accreditation (C&A)	0.156	0.000	0.000
<b>Articles:</b>	-	-	-
<b>Description:</b> This activity maintained the Assessment and Authorization (A&A) and C&A data repository, capturing the RMF documentation (artifacts, validation results, and Information Assurance Risk Assessment results, and Designated Approving Authority (DAA) accreditation decisions) and POA&Ms on all MDA information systems. This activity prepared and submitted C&A documentation and accreditation recommendations to the MDA Chief Information Officer (CIO) /Certification Authority and the DAA. Independent Verification and Validation team actions ensured the availability, integrity, authentication, confidentiality, and non-repudiation of MDA mission, test, and administrative systems.			
Specific and/or unique accomplishments to each Fiscal Year (FY) are as follows:			
<b>FY 2023 Plans:</b> No funding is requested in this Program Element beginning in FY 2023.			
<b>FY 2024 Plans:</b> No funding is requested in this Program Element beginning in FY 2023.			
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	0.156	0.000	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Missile Defense Agency		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MC12 / <i>Cyber Operations</i>
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A		
<b>Remarks</b>		
<b>D. Acquisition Strategy</b> N/A		

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MC12 / <i>Cyber Operations</i>
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<b>Product Development (\$ in Millions)</b>				<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Network / System Certification and Accreditation (C&A) - Civ Cyber Labor	Allot	MDA : Schriever AFB	0.727	0.156	Oct 2021	0.000		0.000		-		0.000	0.000	0.883	0.860
Network / System Certification and Accreditation (C&A) - Contractor Support	C/Various	Various : AL, CO	2.031	0.000		0.000		0.000		-		0.000	0.000	2.031	2.069
Network / System Certification and Accreditation (C&A) - Cross Domain Upgrade	C/CPFF	Jacobs : Schriever AFB, CO	0.019	0.000		0.000		0.000		-		0.000	0.000	0.019	0.019
Network / System Certification and Accreditation (C&A) - Information Assurance	C/CPAF	NGAS : Schriever AFB, CO/Redondo Beach, CA	4.448	0.000		0.000		0.000		-		0.000	0.000	4.448	4.448
<b>Subtotal</b>			7.225	0.156		0.000		0.000		-		0.000	0.000	7.381	N/A

**Remarks**  
N/A

	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	7.225	0.156	0.000	0.000	-	0.000	0.000	7.381	N/A

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

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2024 Missile Defense Agency						<b>Date:</b> March 2023									
<b>Appropriation/Budget Activity</b> 0400 / 4				<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>				<b>Project (Number/Name)</b> MC12 / <i>Cyber Operations</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 ◇						
MC12 Cyber Operations Planned				◆◆◆◆											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Missile Defense Agency		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MC12 / <i>Cyber Operations</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MC12 Cyber Operations Planned	1	2022	4	2022

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD40 / <i>Program-Wide 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
MD40: <i>Program-Wide Support</i>	6.156	0.583	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	6.739
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

N/A

**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
<b>Title:</b> Program Wide Support	0.583	0.000	0.000
<b>Articles:</b>	-	-	-
<b>Description:</b> 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			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Missile Defense Agency	<b>Date:</b> March 2023
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<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD40 / <i>Program-Wide Support</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>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><b><i>FY 2023 Plans:</i></b> No funding is requested in this Program Element beginning in FY 2023.</p> <p><b><i>FY 2024 Plans:</i></b> No funding is requested in this Program Element beginning in FY 2023.</p> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> N/A</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	0.583	0.000	0.000

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

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

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD40 / <i>Program-Wide Support</i>
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<b>Support (\$ in Millions)</b>				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 Services	C/CPAF	Northrop Grumman : CO	5.410	0.557	Nov 2021	0.000		0.000		-		0.000	0.000	5.967	0.000
Program Wide Support - Agency Operations Management	C/CPAF	Various Multi: AL, CA, CO, : VA	0.527	0.026	Apr 2022	0.000		0.000		-		0.000	0.000	0.553	0.000
Program Wide Support - Prior year no longer funded in the FYDP	Various	Various : Various	0.219	0.000		0.000		0.000		-		0.000	0.000	0.219	0.000
<b>Subtotal</b>			6.156	0.583		0.000		0.000		-		0.000	0.000	6.739	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
<b>Project Cost Totals</b>	6.156	0.583	0.000	0.000	-	0.000	0.000	6.739	N/A

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

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2024 Missile Defense Agency</b>						<b>Date: March 2023</b>									
<b>Appropriation/Budget Activity</b> 0400 / 4				<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>				<b>Project (Number/Name)</b> 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 ◇						
MD40 Program-Wide Support				◆◆◆◆											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Missile Defense Agency		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206893C / <i>Space Tracking and Surveillance System</i>	<b>Project (Number/Name)</b> MD40 / <i>Program-Wide Support</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MD40 Program-Wide Support	1	2022	4	2022