Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy	Date: March 2024
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0305231N *I MQ-8 UAV*

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	657.093	27.000	29.700	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	713.793
2768: *MQ-8 Fire Scout*	650.093	0.000	29.700	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	679.793
9999: *Congressional Adds*	7.000	27.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	34.000

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): 253

A. Mission Description and Budget Item Justification

The MQ-8 Unmanned Air System is a Joint Military Intelligence Program.

There is no funding requested in FY 2025 based on a Navy decision to divest of current inventory of MQ-8C Air Vehicles (AVs) and associated equipment. The Navy will divest the MQ-8C Fire Scout Uncrewed Aircraft System at the conclusion of FY 2024. Through coordination with Commander Naval Air Forces, Commander Naval Surface Forces, Naval Air Systems Command and Naval Sea Systems Command, operational employment of the MQ-8C will end in Q4 FY2024 and sundown will be completed by Q4 FY2026.

The MQ-8 Unmanned Air System (Fire Scout) program achieved MS C in June 2017. MQ-8C Unmanned Air System declared Initial Operational Capability in June 2019 for the Endurance Baseline and in June 2022 for the Surface Warfare (SUW) Increment. The program includes MQ-8B air vehicles (AV), MQ-8C air vehicles (AV), and associated Mission Control Systems (MCS), Unmanned Aerial Vehicle Common Automatic Recovery Systems (UCARS) and support equipment. The MQ-8B variant of Fire Scout completed Sundown on 30 Sep 2022. Currently, the MQ-8C is the only remaining airframe for the program of record that maintain a limited segment of air vehicles to support the Littoral Combat Ship (LCS) SUW missions and future Mine Counter Measures (MCM) missions.

The MQ-8C Fire Scout is a vertical take-off and landing, expeditionary, unmanned aircraft system (UAS) capable of day/night ship and shore-based operations. Fire Scout provides an airborne, unmanned, sea-based, persistent intelligence, surveillance, reconnaissance and targeting (ISR-T) asset to the host LCS platform or suitably equipped air capable ships (SEACS) without the reliance on limited joint theater or national assets. The MQ-8C Fire Scout system of systems includes the MCS, UCARS (required for shipboard only), and Tactical Common Data Link (TCDL) for MQ-8C command & control and payload data transmission.

The MQ-8 launches and recovers vertically and can operate from suitably equipped air capable ships (SEACS), as well as confined area land bases. Interoperability is achieved via the Tactical Control System (TCS) software in the MCS, also referred to as a Ground Control Station (GCS), and the TCDL. The data from the MQ-8 is provided through standard DoD Command, Control, Communications, Computers and ISR-T (C4ISR-T) system architectures and protocols.

A deployed MQ-8 system includes AVs, payloads (i.e. electro-optical/infrared/laser designator-range finder, Automated Identification System, voice communications relay, Radar, and other specialty payloads), Mission Control Systems (with TCS and TCDL integrated for interoperability), a UCARS for automatic launch and recovery, and associated spares and support equipment. The schedules for MCS and UCARS components are based on host ship requirements, while schedules for AV

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy	Date: March 2024
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0305231N *I MQ-8 UAV*

components, support equipment, and training equipment are based on operational deployment plans. A limited number of land-based mission control systems support shore-based operations including training, pre-deployment or acceptance functional check flights, and depot-level maintenance/post-maintenance activities. MQ-8 systems support missions on LCS, Expeditionary Mobile Base (T-ESB), FFG(X), and/or SEACS. Quantities of air vehicles are derived from LCS deployment requirements for SUW and MCM mission sets.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	27.000	29.700	23.264	-	23.264
Current President's Budget	27.000	29.700	0.000	-	0.000
Total Adjustments	0.000	0.000	-23.264	-	-23.264
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	-23.264	-	-23.264

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: 9999: *Congressional Adds*		
Congressional Add: *Data bus cybersecurity*	7.000	0.000
Congressional Add: *Datalink networks and software automation*	20.000	0.000
Congressional Add Subtotals for Project: 9999	27.000	0.000
Congressional Add Totals for all Projects	27.000	0.000

Change Summary Explanation

Funding and schedule change from PB24 to PB25: FY 2025 funding reduced by $23.264M and schedule truncated due to Navy decision to divest of current inventory of MQ-8C Air Vehicles (AVs) and associated equipment at the conclusion of FY 2024. Through coordination with Commander Naval Air Forces, Commander Naval Surface Forces, Naval Air Systems Command and Naval Sea Systems Command, operational employment of the MQ-8C will end in Q4 FY2024 and sundown will be completed by Q4 FY2026.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy											Date: March 2024	
Appropriation/Budget Activity 1319 / 7				R-1 Program Element (Number/Name) PE 0305231N / *MQ-8 UAV*				Project (Number/Name) 2768 / *MQ-8 Fire Scout*				
COST ($ in Millions)	**Prior Years**	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
2768: *MQ-8 Fire Scout*	650.093	0.000	29.700	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	679.793
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: 253

A. Mission Description and Budget Item Justification

There is no funding requested in FY2025 based on a Navy decision to divest of current inventory of MQ-8C Air Vehicles (AVs) and associated equipment.

Funding is provided for development efforts in response to emerging fleet requirements through integration and improvements to Common Operational Picture (COP) capabilities, avionics, payloads, range, endurance, and targeting.

The MQ-8 Radar capability was the initial effort as part of the Surface Warfare (SUW) Increment of the MQ-8C. A non-developmental maritime Radar was competitively selected and integrated into the MQ-8C Fire Scout System. The Radar provides the MQ-8 operators and the supported LCS, T-ESB and FFG(X) crew enhanced situational awareness of the Recognized Maritime Picture (RMP) by providing multiple operational modes to include surface search, track, Inverse Synthetic Aperture Radar (ISAR) maritime target classification, and Synthetic Aperture Radar (SAR) target classification capabilities. The maritime Radar is fully integrated with the Mission Control Systems (MCS) and ship's combat systems providing data in standardized format for ease of dissemination to other users. Integration of the Radar capability also includes integration of the Minotaur mission management software on both the AV and MCS.

Minotaur software was integrated as part of the SUW Increment and provides the operator interface and command and control for the Radar, Electro-optical Infrared (EO/IR), and automatic information system (AIS) payloads and future mission payloads; map management; and sensor track correlation.

The MQ-8C data link network capability will disseminate sensor track data to other data link network participants contributing to the COP. Line-of-Sight (LOS) capability will connect Fleet users and disadvantaged users increasing situational awareness. Additionally, the data link network will be capable of passing weapons quality tracks and updates for Network Enabled Weapon Targeting (NEW-T) for Over-the-Horizon Targeting (OTH-T).

The optical sensor system will provide the MQ-8C the ability to land on ships during emissions control (EMCON) operations without requiring the use of UCARS, expanding the number of ships upon which the MQ-8C could land and mitigating reliability risks and operational risks with the UCARS system. The optical sensor system may also be utilized as part of a future due regard capability to detect potential air-to-air collision threats in time to react to them.

Updates will continue to the Minotaur software, AV software, and TCS software to integrate additional payloads and incorporate cyber enhancements.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**
Title: Hardware and System Development	0.000	25.256	0.000	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305231N / *MQ-8 UAV*	**Project (Number/Name)** 2768 / *MQ-8 Fire Scout*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Articles:	-	-	-	-	-
FY 2024 Plans: Hardware and Software Non-Recurring Engineering for integration of the optical sensor and datalink network capabilities for MQ-8C. Development of Cyber security updates to MQ-8C software including Minotaur ***FY 2025 Base Plans:*** N/A ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY2024 to FY2025 Decrease of $-25.256 is due to no funding requested in FY2025 based on a Navy decision to divest of current inventory of MQ-8C Air Vehicles (AVs) and associated equipment.					
Title: Development/Operational Testing	0.000	0.500	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2024 Plans: Developmental test planning and coordination for optical sensor and datalink capabilities. ***FY 2025 Base Plans:*** N/A ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $-.500 from FY24 to FY25 due to no funding requested in FY25 based on a Navy decision to divest of current inventory MQ-8C Air Vehicles (AVs) and associated equipment.					
Title: Engineering and Technical Services	0.000	3.944	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2024 Plans: Funding provided for engineering, program technical management, logistics support of the MQ-8C. Acquisition planning and execution for integration of optical sensor and datalink network capability. Evaluation of other payloads, LCS integration, and system studies and design. ***FY 2025 Base Plans:***					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305231N / *MQ-8 UAV*	**Project (Number/Name)** 2768 / *MQ-8 Fire Scout*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
N/A ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $-3.944 from FY24 to FY25 due to no funding requested in FY25 based on a Navy decision to divest of current inventory MQ-8C Air Vehicles (AVs) and associated equipment.					
Accomplishments/Planned Programs Subtotals	0.000	29.700	0.000	0.000	0.000

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• APN/0443: *MQ-8 UAV*	0.000	1.546	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1,428.796
• APN/0588: *MQ-8 Series*	9.796	14.700	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	218.075

Remarks

D. Acquisition Strategy

The Navy's acquisition strategy capitalizes on prior Rapid Deployment Capability efforts, while leveraging existing program investments. The current Program of Record (PoR) acquisition strategy supports the revised MQ-8C Capability Production Document (CPD). The maritime radar was competitively selected and integrated via prime contracts with TCS and the MQ-8 Fire Scout AV. The Minotaur integration and the optical sensor system efforts will use DoD contracts. The Data Link acquisition strategy is planned to integrate existing DoD datalink hardware and software on the MQ-8C via prime OEM contracts.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305231N / *MQ-8 UAV*	Project (Number/Name) 2768 / *MQ-8 Fire Scout*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development (MQ-8)	SS/CPIF	Northrop Grumman Corp : San Diego, CA	378.000	0.000		0.000		0.000		-		0.000	0.000	378.000	378.000
Primary Hardware Development (MQ-8)	SS/CPIF	Raytheon Corp : Falls Church, VA	28.239	0.000		0.000		0.000		-		0.000	0.000	28.239	28.239
Primary Hardware Development (RADAR)	C/FP	Leonardo MW : Edinburgh, United Kingdom	10.821	0.000		0.000		0.000		-		0.000	0.000	10.821	10.821
Primary Hardware Development (Minotaur)	C/CPFF	John Hopkins University : Laurel, MD	6.670	0.000		0.000		0.000		-		0.000	0.000	6.670	7.293
Primary Hardware Development (Link-16)	SS/CPIF	Northrop Grumman : San Diego, CA	22.626	0.000		0.000		0.000		-		0.000	0.000	22.626	22.626
Primary Hardware Development (Link-16)	SS/CPFF	Raytheon Corp : Falls Church, VA	4.570	0.000		0.000		0.000		-		0.000	0.000	4.570	4.570
Primary Hardware Development (Link-16)	C/CPFF	John Hopkins University : Laurel, MD	2.500	0.000		0.000		0.000		-		0.000	0.000	2.500	2.500
Primary Hardware Development (Link-16)	IA	GSA -VIA SAT : Washington, DC	1.550	0.000		0.000		0.000		-		0.000	0.000	1.550	1.550
Primary Hardware Development (Minotaur)	TBD	TBD : TBD	0.000	0.000		1.570	Mar 2024	0.000		-		0.000	0.000	1.570	-
Primary Hardware Development (Minotaur)	SS/CPFF	Raytheon Corp : Falls Church, VA	0.000	0.000		0.230	Mar 2024	0.000		-		0.000	0.000	0.230	0.230
Primary Hardware Development (Minotaur)	SS/CPFF	Northrop Grumman Corp : San Diego, CA	0.000	0.000		1.310	Mar 2024	0.000		-		0.000	0.000	1.310	1.310
Primary Software Development	SS/CPFF	Northrop Grumman : San Diego, CA	0.000	0.000		2.800	Jan 2024	0.000		-		0.000	0.000	2.800	2.800
Primary Hardware Development (Datalink Network)	TBD	TBD : TBD	0.000	0.000		11.136	Jun 2024	0.000		-		0.000	0.000	11.136	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305231N / *MQ-8 UAV*	Project (Number/Name) 2768 / *MQ-8 Fire Scout*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development (Optical Sensor System)	SS/CPFF	SSCI : Woburn, MA	0.000	0.000		8.210	Dec 2023	0.000		-		0.000	0.000	8.210	8.210
Primary Software Development (Minotaur)	SS/CPFF	Alion : Mclean, VA	0.616	0.000		0.000		0.000		-		0.000	0.000	0.616	0.616
		Subtotal	455.592	0.000		25.256		0.000		-		0.000	0.000	480.848	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Logistics Support	Various	Various : Various	6.620	0.000		0.266	Nov 2023	0.000		-		0.000	0.000	6.886	-
		Subtotal	6.620	0.000		0.266		0.000		-		0.000	0.000	6.886	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	WR	NAWCAD : PAXRV, MD	40.859	0.000		0.500	Nov 2023	0.000		-		0.000	0.000	41.359	-
Operational Test & Evaluation (OT&E)	WR	NAWC : Various	28.070	0.000		0.000		0.000		-		0.000	0.000	28.070	-
Developmental Test & Evaluation (DT&E)	Various	Various : Various	1.646	0.000		0.000		0.000		-		0.000	0.000	1.646	-
		Subtotal	70.575	0.000		0.500		0.000		-		0.000	0.000	71.075	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305231N / *MQ-8 UAV*	Project (Number/Name) 2768 / *MQ-8 Fire Scout*

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Engineering Support	WR	NAWCAD : PAXRV, MD	82.591	0.000		2.796	Nov 2023	0.000		-		0.000	0.000	85.387	-
Program Management Support	Various	Various : Various	29.570	0.000		0.832	Nov 2023	0.000		-		0.000	0.000	30.402	-
Travel	WR	NAVAIR : PAXRV, MD	2.688	0.000		0.050	Nov 2023	0.000		-		0.000	0.000	2.738	-
Prior years Mgmt Svcs no longer funded in the FYDP	Various	Various : Various	2.457	0.000		0.000		0.000		-		0.000	0.000	2.457	-
		Subtotal	117.306	0.000		3.678		0.000		-		0.000	0.000	120.984	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	650.093	0.000		29.700		0.000		-		0.000	0.000	679.793	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305231N / *MQ-8 UAV*	**Project (Number/Name)** 2768 / *MQ-8 Fire Scout*

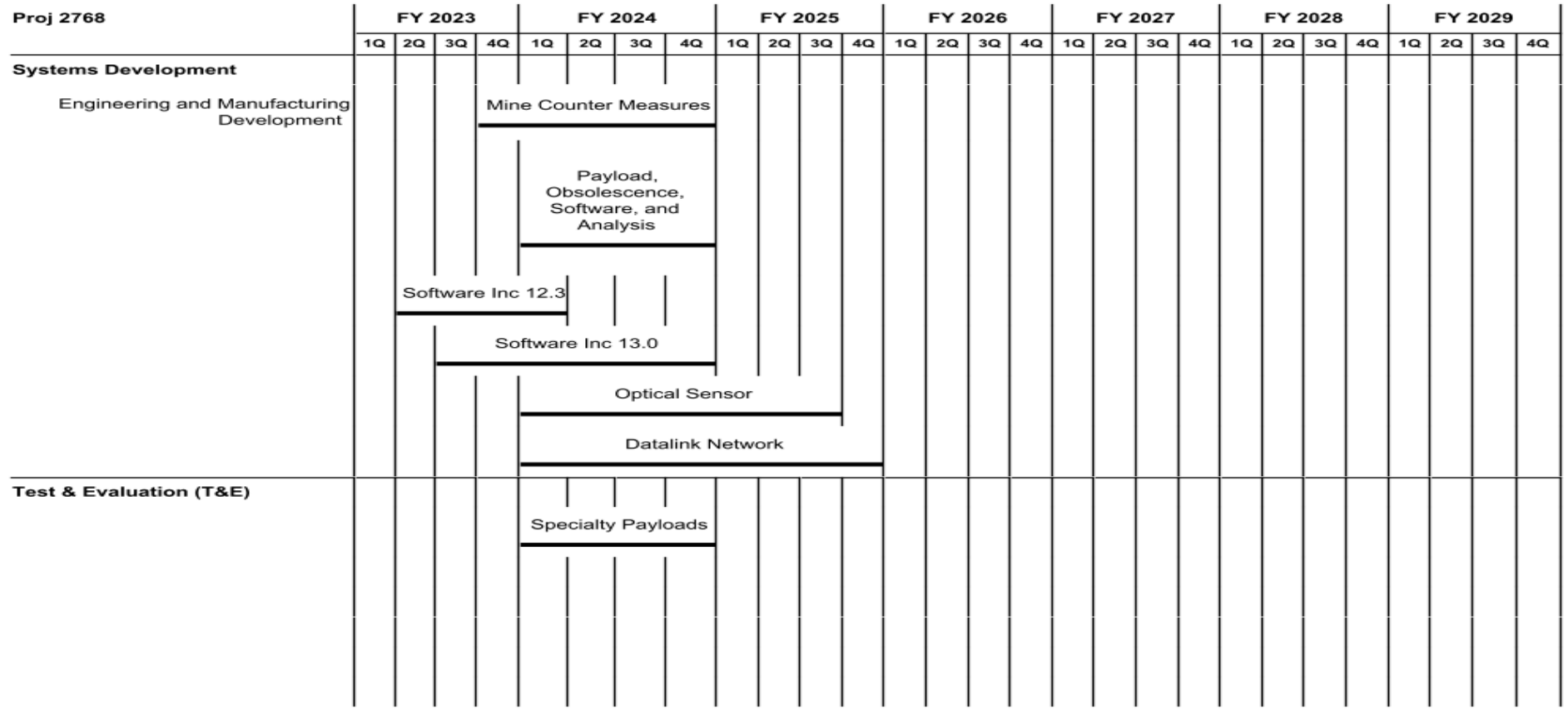

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305231N / *MQ-8 UAV*	**Project (Number/Name)** 2768 / *MQ-8 Fire Scout*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 2768				
Systems Development: Engineering and Manufacturing Development: Mine Counter Measures	4	2023	4	2024
Systems Development: Engineering and Manufacturing Development: Payload, Obsolescence, Software, and Analysis	1	2024	4	2024
Systems Development: Engineering and Manufacturing Development: Software Increment 12.3	2	2023	1	2024
Systems Development: Engineering and Manufacturing Development: Software Increment 13.0	3	2023	4	2024
Systems Development: Engineering and Manufacturing Development: Optical Sensor System	1	2024	3	2025
Systems Development: Engineering and Manufacturing Development: Datalink Networks	1	2024	4	2025
Test & Evaluation (T&E): Specialty Payloads	1	2024	4	2024

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305231N / *MQ-8 UAV*	Project (Number/Name) 9999 / *Congressional Adds*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
9999: *Congressional Adds*	7.000	27.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	34.000
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

FY23 Congressional Add funding provided for MQ-8C data bus cybersecurity, datalink network and software automation.

Cybersecurity is a mandatory requirement for C4ISR systems, and a data bus provides a medium for data and information exchange between all electronic systems within a weapon system - analogous to a Local Area Network (LAN), but for on-board internal electronic systems of a weapon system or platform. The data bus cybersecurity development effort will provide an integrated full-system cybersecurity solution inclusive of Intrusion Detection and Intrusion Prevention System (IDS/IPS) to legacy MIL-STD-1553 data buses on the MQ-8C Fire Scout.

The MQ-8C data link networks and software automation capability will disseminate Fire Scout Intelligence, Surveillance and Reconnaissance (ISR) data products and to provide increased data transfer rate between the AV and GCS to support transfer of the full Fire Scout ISR data set. Software automation efforts will reduce Air Vehicle Pilot (AVP)/Mission Payload Operator (MPO) workload by automating Naval Air Training and Operating Procedures Standardization (NATOPS) procedures such as air vehicle start, datalink configuration and link establishment.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024
Congressional Add: Data bus cybersecurity ***FY 2023 Accomplishments:*** Awarded data bus cybersecurity hardware NRE contract. Complete system specification development and conduct system requirements review and preliminary design review. ***FY 2024 Plans:*** N/A	7.000	0.000
Congressional Add: Datalink networks and software automation ***FY 2023 Accomplishments:*** Develop, test, and deliver a MQ-8C software build to reduce operator workload by automating procedures such as air vehicle start, datalink configuration and link establishment. Conduct trade studies to identify existing material solutions and integration approaches for a datalink network system. Conduct studies and prototype datalink network demonstration. ***FY 2024 Plans:*** N/A	20.000	0.000
Congressional Adds Subtotals	27.000	0.000

C. Other Program Funding Summary ($ in Millions)

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305231N / *MQ-8 UAV*	**Project (Number/Name)** 9999 / *Congressional Adds*

C. Other Program Funding Summary ($ in Millions)

Remarks

D. Acquisition Strategy

Acquisition strategy for Data bus cybersecurity effort is planned to be sole source using DoD contracts. Acquisition strategy for data link networks and software automation is to utilize existing sole source DOD and prime OEM contracts.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305231N / *MQ-8 UAV*	Project (Number/Name) 9999 / *Congressional Adds*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development (Data Bus Cybersecurity)	SS/CPFF	Peraton Labs : Basking Ridge, NJ	6.257	2.944	May 2023	0.000		0.000		-		0.000	0.000	9.201	9.201
Primary Hardware Development (Datalink)	C/CPFF	JHU/APL : Laurel, MD	0.000	0.125	Apr 2023	0.000		0.000		-		0.000	0.000	0.125	0.125
Primary Software Development (Datalink)	SS/CPIF	NGC : San Diego, CA	0.000	2.995	Apr 2023	0.000		0.000		-		0.000	0.000	2.995	2.995
Primary Software Development (Datalink)	SS/CPIF	Raytheon Corp : Falls Church, VA	0.000	0.175	Apr 2023	0.000		0.000		-		0.000	0.000	0.175	0.175
Primary Hardware Development (Datalink)	TBD	NGC : San Diego, CA	0.000	7.102	Apr 2024	0.000		0.000		-		0.000	0.000	7.102	-
Primary Hardware Development (Trade Study)	SS/CPFF	NGC : San, Diego, CA	0.000	2.300	Apr 2023	0.000		0.000		-		0.000	0.000	2.300	-
Primary Hardware Development (Data Bus Cybersecurity)	SS/CPFF	NGC : San Diego, CA	0.000	3.306	Aug 2023	0.000		0.000		-		0.000	0.000	3.306	3.306
		Subtotal	6.257	18.947		0.000		0.000		-		0.000	0.000	25.204	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	WR	NAWCAD : Patuxent River, MD	0.000	4.010	Apr 2023	0.000		0.000		-		0.000	0.000	4.010	-
		Subtotal	0.000	4.010		0.000		0.000		-		0.000	0.000	4.010	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Engineering Support (Data Bus)	WR	NAWCAD : Patuxent River, MD	0.448	0.550	Apr 2023	0.000		0.000		-		0.000	0.000	0.998	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305231N / *MQ-8 UAV*	Project (Number/Name) 9999 / *Congressional Adds*	

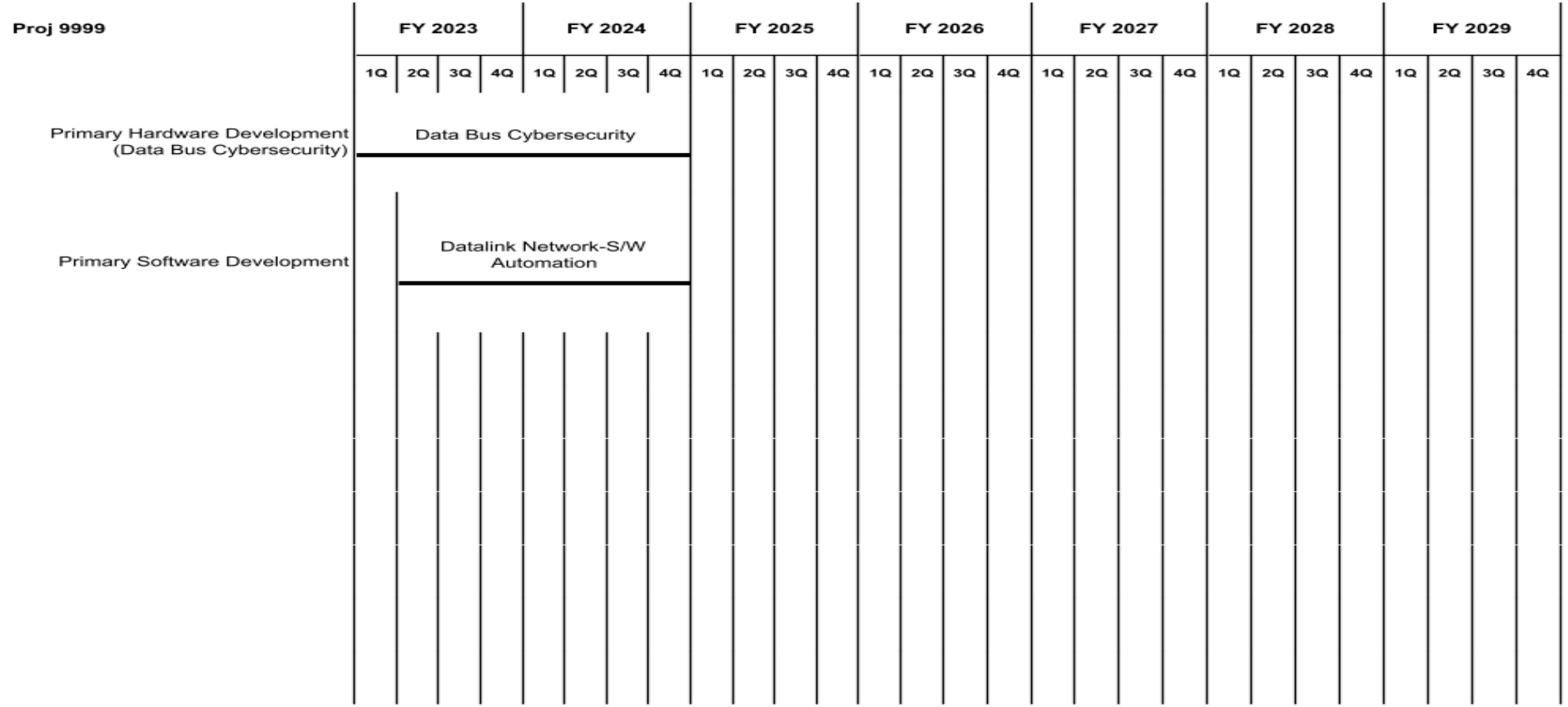
Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management (Data Bus)	TBD	VARIOUS : Not Specified	0.295	0.200	Jul 2023	0.000		0.000		-		0.000	0.000	0.495	-
Government Engineering Support (Data Link)	WR	NAWCAD : Patuxent River, MD	0.000	3.243	Apr 2023	0.000		0.000		-		0.000	0.000	3.243	-
Travel	WR	NAVAIR : Patuxent River, MD	0.000	0.050	Apr 2023	0.000		0.000		-		0.000	0.000	0.050	-
		Subtotal	0.743	4.043		0.000		0.000		-		0.000	0.000	4.786	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	7.000	27.000		0.000		0.000		-		0.000	0.000	34.000	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305231N / *MQ-8 UAV*	**Project (Number/Name)** 9999 / *Congressional Adds*



2025DON - 0305231N - 9999

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305231N / *MQ-8 UAV*	**Project (Number/Name)** 9999 / *Congressional Adds*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 9999				
Primary Hardware Development (Data Bus Cybersecurity): Data Bus Cybersecurity	1	2023	4	2024
Primary Software Development: Datalink Network-S/W Automation	2	2023	4	2024