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 0305242M *I Unmanned Aerial Systems (UAS) Payloads*

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	14.274	9.682	13.005	10.917	-	10.917	11.666	11.904	11.336	11.574	Continuing	Continuing
8277: *UAS Payloads*	14.274	9.682	13.005	10.917	-	10.917	11.666	11.904	11.336	11.574	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Unmanned Aircraft Systems (UAS) Sensor Payload program provides the capability to develop, integrate, field, and sustain Intelligence, Surveillance, and Reconnaissance (ISR) and non-ISR payloads for the USMC Family of UAS. These payloads will alleviate Marine Corps ISR capability gaps caused by changes in mission, threats, and technologies and will increase the versatility of UAS in support of MAGTF mission accomplishment. In support of Force Design 2030 initiative, tactical UAS Reconnaissance, Survivability, and Target Acquisition (RSTA) is primarily focused on Marine Littoral Regiments (MLR) and on Marine Expeditionary Units (MEU) to enhance their ability to operate within an operating environment characterized by Great Power Competition.

In support of the Commandant of the Marine Corps Planning Guidance and Force Design 2030 requirements, UAS sensor payloads provide modular, low-cost, aerial sensing technologies to achieve the Maritime Domain Awareness required by MLRs and MEUs in support of the Joint Forces Maritime Component Command (JFMCC). Within the context of Maritime Domain Operations, Marine forces executing Expeditionary Advanced Base Operations (EABO) require the organic capability to establish and maintain awareness of adversaries and potential adversary activities in communications and navigation degraded or denied environments. UAS Payloads enable sensing of threat indicators across the electromagnetic spectrum, gravimetric, chemical, nuclear, and acoustic spectrums and within the visual and physical domain and radar spectrum, with reduced signature, and minimized risk to personnel. The incorporation of advanced technology enablers such as artificial intelligence/machine learning (AI/ML) and precision geolocation provide automated recognition, identification, tracking, advanced networks, advanced communications, and cross-cueing in support of accelerated battlespace awareness and targeting. As an essential element of the kill chain, UAS payloads are critical to the JFMCC targeting process to find, fix, track, target, engage, and assess the effects of lethal and non-lethal fires.

Employment of UAS payloads on platforms distributed across the MLRs and MEUs during EABO allows for greater distribution of forces while maintaining persistent awareness, enhances the security of tactical units and personnel moving across the battlespace, and enables the rapid transition between positions necessary for force survivability.

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 0305242M *I Unmanned Aerial Systems (UAS) Payloads*

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	9.780	13.005	13.402	-	13.402
Current President's Budget	9.682	13.005	10.917	-	10.917
Total Adjustments	-0.098	0.000	-2.485	-	-2.485
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.098	0.000			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	0.000	0.000	-2.485	-	-2.485

Change Summary Explanation

Decrease from Previous President's Budget is due to cancellation of Wide Area Maritime Targeting, Detection and Classification (WAMTDC) and miscellaneous adjustments.

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*				Project (Number/Name) 8277 / *UAS Payloads*			
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**
8277: *UAS Payloads*	14.274	9.682	13.005	10.917	-	10.917	11.666	11.904	11.336	11.574	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Unmanned Aircraft Systems (UAS) Sensor Payload program provides the capability to develop, integrate, field, and sustain Intelligence, Surveillance, and Reconnaissance (ISR) and non-ISR payloads for the USMC Family of UAS. These payloads will alleviate Marine Corps ISR capability gaps caused by changes in mission, threats, and technologies and will increase the versatility of UAS in support of MAGTF mission accomplishment.

In support of the Commandant of the Marine Corps (CMC) Planning Guidance and Force Design 2030 requirements, UAS Sensor Payloads provide modular, low-cost aerial sensing technologies to achieve the Maritime Domain Awareness required by MLRs and MEUs in support of the Joint Forces Maritime Component Command (JFMCC). Within the context of Maritime Domain Operations, Marine forces executing Expeditionary Advanced Base Operations (EABO) require the organic capability to establish and maintain awareness of adversaries and potential adversary activities in communications and navigation degraded or denied environments. UAS Payloads enable sensing of threat indicators across the electromagnetic spectrum, gravimetric, chemical, nuclear, and acoustic spectrums and within the visual and physical domain and radar spectrum, with reduced signature, and minimized risk to personnel. The incorporation of advanced technology enablers such as artificial intelligence/ machine learning (AI/ML) and precision geolocation provide automated recognition, identification, tracking, advanced networks, advanced communications, and cross-cueing in support of accelerated battlespace awareness and targeting. As an essential element of the kill chain, UAS payloads are critical to the JFMCC targeting process to find, fix, track, target, engage, and assess the effects of lethal and non-lethal fires.

Employment of UAS Sensor Payloads on platforms distributed across the MLRs and MEUs during EABO allows for greater distribution of forces while maintaining persistent awareness, enhances the security of tactical units and personnel moving across the battlespace, and enables the rapid transition between positions necessary for force survivability.

The program prototypes, develops, integrates, and transitions strategic and tactical sensors, payloads, and communication capabilities for the areas of Signals Intelligence (SIGINT)/Electronic Warfare Support (ES), Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI), Multiple Intelligence (Multi-INT), Wide Area Surveillance (WAS)/Wide Area Motion Imagery (WAMI), Artificial Intelligence/Machine Learning (AI/ML), Wide Area Maritime Target Detection and Classification (WAMTDC), Advanced EO/Infrared (IR)/Multi-spectral (MSI)/Hyperspectral (HSI) sensors, Autonomous operations, Advanced processors, Chemical, biological, radiological, and nuclear (CBRN) sensors, Light Detection and Ranging (LiDAR), Alt-Nav, Acoustics, Cross Domain Solutions (CDS) for all sensor modalities, interfaces for payloads, including SUAS Reusable Architecture (SRA) and Common Sensor Workstation (CSW), Gravimetric, Communications, and Advanced Networks capabilities.

SIGINT/ES - Detect, locate, target, and exploit adversary Signals of Interest (SOI), ability to cue other ISR sensors to specific target geolocations.

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

SAR/MTI - Locate and track surface targets day or night under a wide range of atmospheric conditions and at stand-off ranges exceeding those of EO/IR Full Motion Video (FMV) technologies.

Multi-INT - Simultaneous area of regard ISR data collection and functionality of sensors operating in widely disparate modalities such as Communications Relay, EW/ES, SIGINT, Radar, and EO/IR. Enables the collection of synchronized data that maximizes the effective employment envelope by collectively decreasing uncertainties, such as geolocation accuracy, simultaneously prosecuting multiple targets of interest and maximizing datalink capability across a varied range of environments and temporal periods.

Wide Area Surveillance (WAS)/Wide Area Motion Imagery (WAMI) - Imaging over wide areas (multiple square kilometers, city size area) at very spatial and temporal resolution at substantial stand-off distances using various sensor modalities, with full motion video (FMV) access, picture in picture user defined watch boxes, and ability to cue other ISR sensors to specific target geolocations. Ability to monitor and disseminate processed imagery data and static full field of view or user defined watch box imagery and disseminate to ground-based disadvantaged users. Mission applications include battlefield situational awareness and monitoring, providing the capability to assure access and hold at risk, as well as enabling power projection in environments that are not currently accessible.

AI/ML - This effort will place AI/ML edge processing on a small UAS to perform object detection, classification, and identification of targets of interest in the data stream in real time. Edge processing technologies enable minimization of the physical footprint of the UAS system with enhanced mission capabilities and the sharing and merging of data across multiple domains. AI and Automated Processing supports the rapid detection, tracking, and characterization in all ISR data types and provides actionable information for fusion and tracking exploitation systems and processes.

Wide Area Maritime Target Detection and Classification (WAMTDC) - System that observes a wide area simultaneously, autonomously detecting objects on the water and identification of targets of interest.

Common Sensor Workstation (CSW) - Ruggedized ground station payload operator designed to support multiple payloads and capabilities on low side.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Product Development	8.884	12.029	9.796	0.000	9.796
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue SIGINT/ES product correction of deficiencies, requested enhancements, and integration - Continue SAR/MTI product correction of deficiencies, requested enhancements, and integration - Continue to integrate AI/ML capability - Continue to integrate WAMTDC capability - Continue to transition C4ISR of advanced technologies and payloads to UAS programs.					

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Continue to evaluate new sensor technologies and prototype design and fabrication in support of the development and fielding operations of UAS platforms and payloads. - Continue to utilize additive manufacturing techniques, tools, processes and requirements to enable installation production capability for UAS components. - Continue to develop Alt-Nav/PNT capability for STUAS platforms - Develop Common Sensor Workstation (CSW) and integrate with Payloads - Platform integration efforts for Small UAS (SUAS) Reusable Architecture (SRA) ***FY 2025 Base Plans:*** - Continue SIGINT/ES product correction of deficiencies, pre-planned product improvements, and integration - Continue SAR/MTI product correction of deficiencies, requested enhancements, and integration - Maintain lab development, integration and test capabilities - Continue to integrate AI/ML capability - Continue to transition C4ISR of advanced technologies and payloads to UAS programs - Continue to evaluate new sensor technologies and prototype design and fabrication in support of the development and fielding operations of UAS platforms and payloads - Continue to utilize additive manufacturing techniques, tools, processes, and requirements to enable installation production capability for UAS components - Continue to develop APNT capability for STUAS platforms - Develop Acoustic Battlefield Mapping capability ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 decrease is due to reduced or eliminated FY 2025 efforts associated with SIGINT/ES, SAR/MTI, AI/ML, WAMI, WAMTDC, Lab facilities, SRA, Acoustic Battlefield Mapping, and PNT capabilities.					
Title: Support	0.438	0.546	0.546	0.000	0.546
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue government engineering technical support, other government support, program management support.					

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Continue Integrated Logistics Support (ILS), training concept development and data management/ documentation. ***FY 2025 Base Plans:*** - Continue government and contractor program management, engineering, technical and other support. - Continue Integrated Logistics Support (ILS), training concept development, and data management/ documentation. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** N/A					
Title: Test and Evaluation	0.200	0.300	0.325	0.000	0.325
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue developmental and operational payload testing ***FY 2025 Base Plans:*** - Continue developmental and operational payload testing ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 increase is due to additional test and evaluation in FY 2025 aligned with ongoing integration efforts.					
Title: Management Services	0.160	0.130	0.250	0.000	0.250
Articles:	-	-	-	-	-
FY 2024 Plans: Government program management support of the development and integration of sensor payloads. Management Services will account for Cross-Organization travel funding requirements. ***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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Continue program management support of the development, test and integration of sensor payloads. Management Services will also account for cross-organization travel funding requirements. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 increase is due to support for soliciting, receiving, and analyzing fleet feedback on payload usage in the field, and developing plans for additional design iterations.					
Accomplishments/Planned Programs Subtotals	9.682	13.005	10.917	0.000	10.917

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
• PMC/4787: *UAS Payloads*	8.619	19.088	17.232	-	17.232	16.892	11.754	10.464	10.683	0.000	139.774

Remarks

D. Acquisition Strategy

UAS Sensor Payload leverages work conducted by small business as well as large commercial industry vendors, Federally Funded Research and Development Centers (FFRDC)- and academia, and various government laboratories such as the Office of Naval Research (ONR), Defense Advanced Research Projects Agency (DARPA), Marine Corps Warfighting Laboratory (MCWL), Air Force Research Lab (AFRL), Joint Improvised Threat Defeat Agency (JIDA), the National Security Agency (NSA), and the National Geospatial Agency (NGA). The UAS payloads portfolio consists of a family of capabilities and spans a broad spectrum of capability areas. Capabilities are transitioned from variously sourced, high Technology Readiness Level (TRL) science and technology (S&T) projects to the UAS Payloads portfolio for completion of RDTE of the capability, systems engineering development into payload suites, and entrance into the fielding process for integration into Unmanned Aircraft Systems (UAS). Payload suites provide capabilities that facilitate the critical functions of the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE) across the range of military operations.

UAS Sensor Payload execution is inclusive of three (3) phases, each marked by a decision gate. Phase I establishes the preliminary integration design concept and conduct of technology demonstration with validation of a Technology Readiness Level (TRL) 6/7 as the decision gate for entry into Phase II. Phase II establishes full payload-to-Unmanned Aircraft System (UAS) integration during which time all necessary program management, engineering, fabrication, test, and evaluations activities are conducted to achieve Test Article Fabrication, System Test and Evaluation, Integrated Logistics Support (ILS) and Training Concept development, and Data Management and Documentation. Validation of funding, derived requirements, project risks, cost and schedule estimates, contracting strategy and achievement of TRL 9 constitute the decision gate for entry into Phase III. Phase III is a transition which supports a production decision based on the exit criteria from Phase II.

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

The UAS Sensor Payload program partners with UAS programs to identify required payloads. This includes the following: conduct RDTE processes to develop capability into TRL9 payload and production level prototypes; conduct Developmental and Operational testing (DT/OT); production kits delivered to receiving UAS platform program with initial year sustainment and for long-term sustainment funding.

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

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
Systems Engineering SIGINT/ES	MIPR	Various : Various	1.242	1.000	Feb 2023	1.260	Dec 2023	1.047	Dec 2024	-		1.047	Continuing	Continuing	Continuing
Systems Engineering SAR/ MTI	SS/BOA	Various : Various	1.710	1.000	Jan 2023	0.750	Dec 2023	0.400	Dec 2024	-		0.400	Continuing	Continuing	Continuing
Systems Engineering AI/ ML	MIPR	Various : Various	2.575	2.584	Feb 2023	1.604	Jan 2024	2.872	Jan 2025	-		2.872	Continuing	Continuing	Continuing
Systems Engineering Wide Area Maritime Target Detection and Classification	MIPR	Various : Various	1.029	0.300	Nov 2023	1.350	Feb 2024	0.000		-		0.000	Continuing	Continuing	Continuing
Government Engineering	MIPR	Various : Various	1.105	1.415	Dec 2022	1.750	Dec 2023	1.987	Dec 2024	-		1.987	Continuing	Continuing	Continuing
Lab	MIPR	DTIC Troop Support : Ft. Belvoir, VA	1.706	0.300	Nov 2022	0.675	Dec 2023	0.700	Nov 2024	-		0.700	Continuing	Continuing	Continuing
DTIC	MIPR	DTIC Troop Support : Ft. Belvoir, VA	0.670	1.000	Jan 2023	1.000	Jan 2024	0.300	Jan 2025	-		0.300	Continuing	Continuing	Continuing
SRA	MIPR	Various : Various	0.717	0.328	Jul 2023	0.700	Jun 2024	0.150	Jun 2025	-		0.150	Continuing	Continuing	Continuing
CSW	MIPR	Various : Various	0.850	0.000		2.240	Feb 2024	1.890	Feb 2025	-		1.890	Continuing	Continuing	Continuing
Alt Nav / PNT	MIPR	Various : Various	1.115	0.859	Jan 2023	0.500	Dec 2023	0.350	Dec 2024	-		0.350	Continuing	Continuing	Continuing
Acoustic Battlefield	SS/BOA	Various : Various	0.000	0.000		0.200	Feb 2024	0.100	Feb 2025	-		0.100	Continuing	Continuing	Continuing
		Subtotal	12.719	8.786		12.029		9.796		-		9.796	Continuing	Continuing	N/A

Remarks

FY 2024 to FY 2025 decrease is due to reduced or eliminated FY 2025 efforts associated with SIGINT/ES, SAR/MTI, WAMI, WAMTDC, SRA, Acoustic Battlefield Mapping and PNT capabilities. WAMTDC decrease from FY 2024 to FY 2025 is due to OSD cancellation of the WAMTDC Joint Capability Technology Demonstration (JCTD) project and reorganization of USMC priorities to include focus on development of individual AI/ML capability.

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*	

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
Contractor Engineering Support	Various	Various : Various	1.009	0.536	Dec 2022	0.546	Dec 2023	0.546	Dec 2024	-		0.546	Continuing	Continuing	Continuing
		Subtotal	1.009	0.536		0.546		0.546		-		0.546	Continuing	Continuing	N/A

Remarks

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)	MIPR	NAWCAD : Patuxent River, MD	0.344	0.200	Dec 2022	0.300	Dec 2023	0.325	Dec 2024	-		0.325	Continuing	Continuing	Continuing
		Subtotal	0.344	0.200		0.300		0.325		-		0.325	Continuing	Continuing	N/A

Remarks

Increase is due to additional test and evaluation in FY 2025 aligned with ongoing integration efforts.

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 Services	MIPR	NAWCAD : Patuxent River, MD	0.162	0.140	Dec 2022	0.100	Dec 2023	0.220	Dec 2024	-		0.220	Continuing	Continuing	Continuing
Travel	Various	Various : Various	0.040	0.020	Oct 2022	0.030	Dec 2023	0.030	Dec 2024	-		0.030	Continuing	Continuing	Continuing
		Subtotal	0.202	0.160		0.130		0.250		-		0.250	Continuing	Continuing	N/A

Remarks

Increase is due to support for increased test efforts and payloads experimentation.

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	Project (Number/Name) 8277 / *UAS Payloads*	

	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	14.274	9.682		13.005		10.917		-		10.917	Continuing	Continuing	N/A

Remarks

Overall decrease in FY 2025 is due to reduced or eliminated efforts associated with SIGINT/ES, SAR/MTI, AI/ML, WAMI, WAMTDC, SRA, Acoustic Battlefield Mapping and PNT capabilities.

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

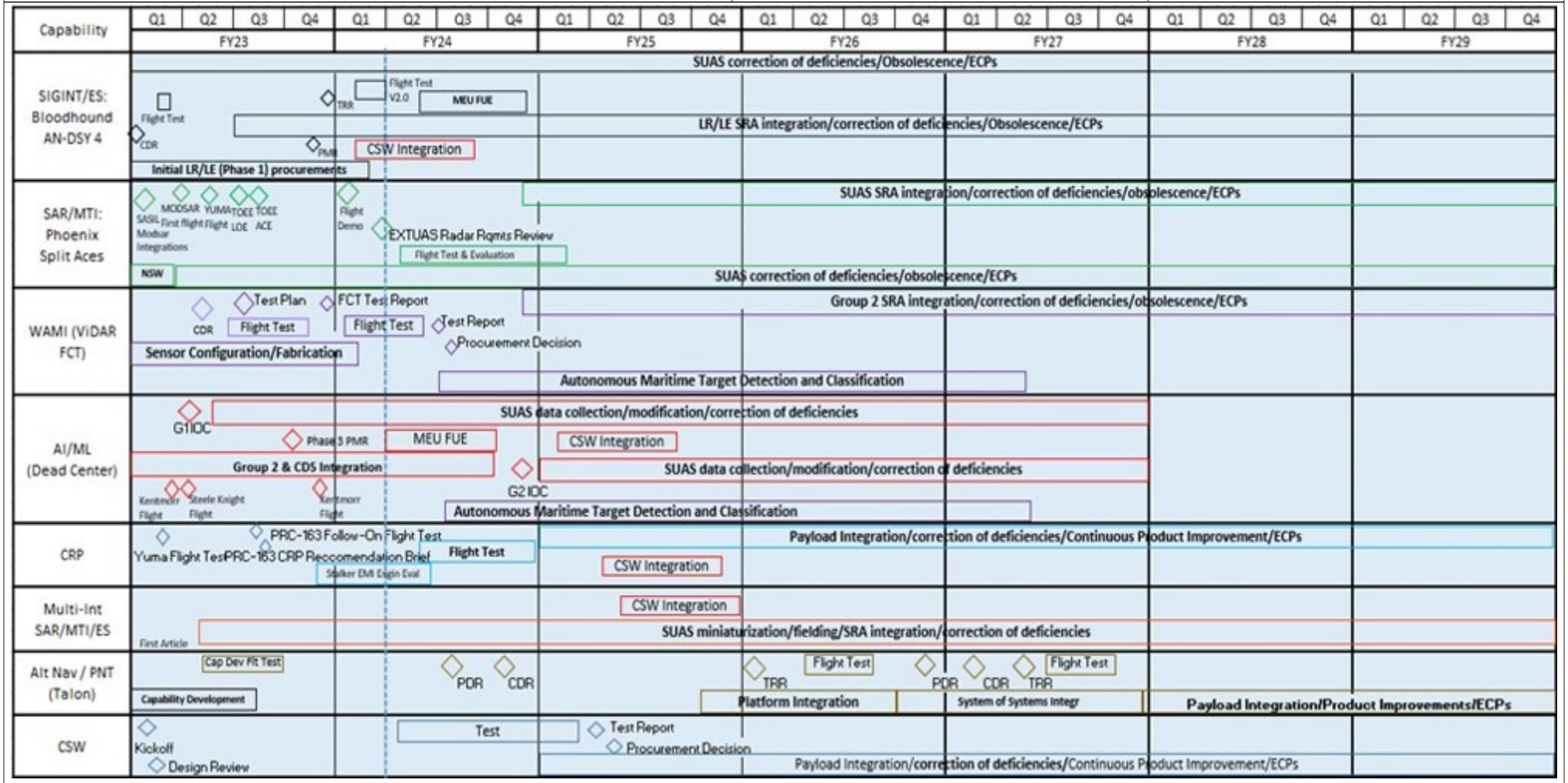

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 8277				
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound CDR	1	2023	1	2023
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound Flight Test	1	2023	1	2023
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound MEU FUE	2	2024	4	2024
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound Initial LR/LE (Phase 1) Procurements	1	2023	1	2024
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound PMR	4	2023	4	2023
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound TRR	4	2023	4	2023
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound SUAS Sustainment/Obsolescence/ ECPs	1	2023	4	2029
SIGINT/ES Bloodhound: SIGINT/ES Bloodhound LR/LE SRA Integration/Sustainment/ Obsolescence/ECPs	3	2023	4	2029
SAR/MTI: SAR/MTI Flight Demo	1	2024	1	2024
SAR/MTI: SAR/MTI Flight Test and Evaluation	2	2024	1	2025
SAR/MTI: SAR/MTI SUAS SRA Integration/Sustainment/Obsolescence/ECPs	4	2024	4	2029
WAMI: WAMI CDR	2	2023	2	2023
WAMI: WAMI Flight Test	1	2024	2	2024
WAMI: WAMI SUAS SRA Integration/Sustainment/Obsolescence/ECPs	4	2024	4	2029
Artificial Intelligence/Machine Learning (AI/ML): AI/ML G1 IOC	2	2023	2	2023
Artificial Intelligence/Machine Learning (AI/ML): AI/ML Phase 3 PMR	4	2023	4	2023
Artificial Intelligence/Machine Learning (AI/ML): AI/ML G2 IOC	4	2024	4	2024
Common Sensor Workstation (CSW): CSW Kickoff	1	2023	1	2023
Common Sensor Workstation (CSW): CSW Design Review	1	2023	1	2023
Common Sensor Workstation (CSW): CSW Test	2	2024	1	2025

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 0305242M / *Unmanned Aerial Systems (UAS) Payloads*	**Project (Number/Name)** 8277 / *UAS Payloads*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Common Sensor Workstation (CSW): CSW Payload Integration/Continuous Product Improvement/ECPs	4	2024	4	2029
Multi-Int SAR/MTI/ES: Multi-Int SAR/MTI ES SUAS Miniaturization/Fielding/SRA Integration/Sustainment	2	2023	4	2029
Alt Nav/PNT: Alt Nav/PNT Capability Development	1	2023	3	2023
Alt Nav/PNT: Alt Nav/PNT Capability Development Flight Test	2	2023	3	2023
Alt Nav/PNT: Alt Nav/PNT Platform Integration PDR	3	2024	3	2024
Alt Nav/PNT: Alt Nav/PNT Platform Integration CDR	4	2024	4	2024
Alt Nav/PNT: Alt Nav/PNT Platform Integration TRR	1	2026	1	2026
Alt Nav/PNT: Alt Nav/PNT Platform Integration	4	2025	3	2026
Alt Nav/PNT: Alt Nav/PNT Platform Integration Flight Test	2	2026	3	2026
Alt Nav/PNT: Alt Nav/PNT System of System Integration	3	2026	4	2027
Alt Nav/PNT: Alt Nav/PNT System of System Integration PDR	4	2026	4	2026
Alt Nav/PNT: Alt Nav/PNT System of System Integration CDR	1	2027	1	2027
Alt Nav/PNT: Alt Nav/PNT System of System Integration TRR	2	2027	2	2027
Alt Nav/PNT: Alt Nav/PNT System of System Integration Flight Test	3	2027	4	2027
Alt Nav/PNT: Alt Nav/PNT Product Improvements/ECP	4	2027	4	2029