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 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604231N *I COMMAND AND CONTROL*							
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	746.621	139.768	87.457	164.391	-	164.391	152.855	98.893	97.940	97.701	Continuing	Continuing
0486: *Tactical Support Center*	159.601	5.912	6.167	12.425	-	12.425	14.619	12.346	12.593	12.859	Continuing	Continuing
2343: *Tactical METOC Applications*	34.535	13.208	13.271	13.763	-	13.763	14.400	14.589	14.837	15.239	Continuing	Continuing
2345: *Fleet METOC Equipment*	3.138	0.482	0.640	0.603	-	0.603	0.502	0.513	0.523	0.534	Continuing	Continuing
2363: *Remote Sensing Capability Development*	16.807	5.014	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	21.821
3050: *Deployable JT Command and Control*	8.208	3.693	3.785	3.462	-	3.462	3.571	3.628	3.702	3.781	Continuing	Continuing
3260: *Naval Operations Business Logistics Enterprise (NOBLE)*	256.266	108.621	62.791	131.062	-	131.062	116.628	64.620	63.023	61.960	Continuing	Continuing
3324: *Navy Air Operations Command and Control (NAOC2)*	17.717	0.687	0.803	0.767	-	0.767	0.784	0.799	0.816	0.833	Continuing	Continuing
9123: *FORCEnet*	250.349	2.151	0.000	2.309	-	2.309	2.351	2.398	2.446	2.495	Continuing	Continuing

Note

Project Unit 2363: Remote Sensing Capability Development (RSCD) Program (Proj 2363) has been realigned from PE 0604231N to PE 0304785N starting in FY24.

A. Mission Description and Budget Item Justification

The Tactical Command System upgrades the Navy's Command, Control, Communications, Computer and Intelligence (C4I) systems and processes C4I information for all warfare mission areas including planning, direction and reconstruction of missions for peacetime, wartime and times of crises.

Programs will implement digital system-of-systems engineering by using tools such as Model Based System Engineering (MBSE) and Digital Twins to create adaptable digital models to optimize system engineering from design, development and testing to operations and sustainment. Programs will use Development, Security and Operations (DevSecOps) processes for continuous development, integration, testing and deployment, along with common platform services such as Agile Core Services (ACS), for faster fielding of capability. Overall program development efforts include the investigation of emerging technologies through study, development and associated testing for feasibility of program insertion.

(Proj 0486) Tactical Support Center: The Tactical Mobile program provides agile evolutionary systems and equipment upgrades to support the Maritime Patrol and Reconnaissance Force Commanders with the capability to plan, direct and control the tactical operations of Maritime Patrol and Reconnaissance Aircraft and other

assigned units within their respective area of responsibility. Looking ahead, TacMobile provides critical mission planning and reach-back capabilities between the Maritime Patrol and Reconnaissance Aircraft, primarily the P-8A/Poseidon, and MQ-4C/Triton, and the Maritime Intelligence Surveillance and Reconnaissance Enterprise. These operations include littoral, open ocean, and over land long-dwell surveillance, anti-surface warfare, over-the-horizon targeting, counter-drug operations, power projection, antisubmarine warfare, mining, search and rescue, indications and warning, realtime full motion video collection and streaming/ dissemination, and special operations. The missions are supported by Tactical Operations Centers, Mobile Tactical Operations Centers, and Fly Away Kits.

(Proj 2343,2345,2363) Tactical METOC Applications; Fleet METOC Equipment, and Remote Sensing Capability Development (RSCD): The Air/Ocean Equipment Engineering (AOEE) projects provide new capabilities to support naval combat forces. This program engineers and developmentally tests organic and remote sensors, communication interfaces, and processing and display devices. This equipment is engineered to measure, ingest, store, process, distribute and display conditions of the physical environment that are essential to the optimum employment and performance of naval warfare systems. AOEE also engineers capabilities for shipboard and shore-based tactical systems. A major area of focus for the AOEE program is to provide the engineering development of specialized equipment and measurement capabilities that are intended to monitor specific conditions of the physical environment in hostile and remote areas in response to fleet demand signals for increased sensing capability and capacity to support battlespace collections and prediction on short to intermediate time scales. With such capabilities, the war fighters' situational awareness of the operational effects of the physical environment are made more certain. Efforts include investigation of emerging technologies through study, development, and associated testing for feasibility of program insertion. Major emphasis areas include the Naval Integrated Tactical Environmental System Next Generation (NITES-Next) project (2343), Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV) and the Environmental Satellite Receiver Processor (ESRP) project (2345), and the Remote Sensing Capability Development (RSCD) project (2363).

(Proj 3050) Deployable Joint Command and Control (DJC2) provides a self-contained, standardized, rapidly deployable, modular, scalable, and reconfigurable joint command and control (C2) capability to designated Geographic Combatant Commands (GCCs). DJC2 is the materiel solution to Defense Planning Guidance that called for the development of standing Joint Task Forces (JTFs) with a deployable C2 capability. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and JFCs a mission critical, integrated family of systems with which to plan, control, coordinate, execute, and assess operations. It is designed to deploy rapidly, set up within hours, and quickly provide necessary C2 mission and collaboration functionality across the full spectrum of JTF operations. The DJC2 has also been deployed in support of Humanitarian Assistance and Disaster Relief (HA/DR) efforts. The capability is intended for all levels of conflict and will be reconfigurable to meet specific GCC and JTF mission requirements. This capability is interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.

(Proj 3260) Naval Operational Business Logistics Enterprise (NOBLE) is the logistics information technology family of systems (FoS) comprised of the Naval Operational Supply System (NOSS), the Naval Maintenance, Repair, and Overhaul (N-MRO), and supporting capabilities to include a common platform hosting environment and data exchange solutions, and the Logistics Integrated Data Environment (IDE) which supports and align readiness data systems to ensure that trusted, critical logistics data is widely available to or accessible by mission commanders, warfighters, decision-makers, and mission partners in a real-time, useable, secure, and linked manner to enable analytics, and support broader DoD/DON data efforts.

NOBLE enables combat lethality by generating and sustaining Navy and Marine Corps force readiness for operational commanders afloat and ashore, providing the foundational capability to keep ships driving, planes flying, and weapons firing from an equipment Operational Availability (Ao) perspective. NOBLE is the centerpiece

of the Fleet's strategic imperative to improve Sailor, unit and group maintenance self-sufficiency combat operations in a communications and access-denied arena. NOBLE's mission is to provide the Navy and Marine Corps with an integrated, scalable, and cyber-secure capability that supports the management of logistical information, material, and funds required to maintain and operate ships, submarines, and aircraft.

NOBLE FoS will provide direct support to warfighter readiness with maintenance, supply, and financial capabilities, and a federated data environment to enable information integration for decision making in contested environments, and real-time data driven operational and ashore readiness analytics. These capabilities include enhanced situational awareness, planning, execution, personnel administration, and management of maintenance and supply logistics and business functions to ships/ submarines, aviation squadrons, shore operational sites, and expeditionary units with a total user base exceeding 150,000. The NOBLE FoS will support Aviation and Maritime organizational, intermediate, and depot level maintenance activities and facilities with an anticipated Full Operational Capability in Fiscal Year 2030.

The NOBLE architecture will meet current and emerging demands for cyber security, enable Financial Improvement and Audit Readiness (FIAR), drive efficiency into Navy logistics and aviation and maritime maintenance mission requirements, enable analytics, and eliminate over 700 application/database servers.

NOBLE FoS will deploy to the Consolidated Afloat Networks and Enterprise Services (CANES) afloat, Non-CANES platforms, Department of the Navy (DON) commercial cloud computing environments ashore, and US Marine Corps operating environments.

(Proj 3324) Navy Air Operations Command and Control (NAOC2): NAOC2 integrates and tests Air Force program of record systems that provide an integrated and scalable planning system for standardized, secure, and automated decision support for Air Force, Joint, and Allied commanders worldwide. These programs provide automated air operations planning, execution management and intelligence capabilities at the Force level to include fleet commanders, numbered fleet commanders, Commander Carrier Strike Groups, Commander Expeditionary Strike Groups, Commander Landing Forces, and Joint Task Force Commanders. NAOC2 includes Theater Battle Management Core System (TBMCS) and Kessel Run Applications Kit for Enterprise Navy (KRAKEN). KRAKEN (when fielded) will provide rapid, agile delivery of capabilities to the fleet by commercial cloud infrastructure using Development, Security, Operations (DevSecOps) cloud native applications. KRAKEN is comprised of multiple tactical software applications that will provide continuous iterate delivery of software to shipboard and shore users. It will also align with the Joint C2 Reference Architecture (JC2RA) such as Consolidated Afloat Networks and Enterprise Services (CANES). KRAKEN is not natively compatible with Navy Information Technology (IT) infrastructure, such as CANES, and requires a significant level of system integration. Continuation of Navy integration and test efforts will significantly enhance the ability of the Joint Force Air Component Commander and Combined Air Operations Center personnel to plan daily air operations including strike, airlift, offensive/defensive air, missile defense, and refueling missions in support of combat operations. Developmental Testing is continuous and operates in parallel with the DevSecOps construct. KRAKEN will be continued for new technology insertion into Navy infrastructure network and hardware in support of Naval Air C2 and Net Enabled Weapons system integration. KRAKEN addresses the requirement of war fighter distributed planning and execution processes along with significantly improving Joint interoperability. TBMCS continues a hardware transition to CANES. Currently, TBMCS is the key system that is used to conduct real world air planning in the Joint and Navy environments. KRAKEN will replace TBMCS while bringing more flexibility to the war fighter.

(Proj 9123) FORCEnet: Funding supports IW Portfolio Health Assessments (PHAs) of Navy mission areas and identifies gaps in Information Warfare (IW) capabilities in the context of assessed mission areas. Funding supports IW Portfolio Health Assessments (PHAs) of Navy mission areas and identifies gaps in IW capabilities in the

context of assessed mission areas. Funding support vignettes, technical baselines, architecture products, and briefings developed to support sponsor decision making processes.

PHA analyzes the Navy's Information Warfare portfolio by focusing on the total capability to support Navy missions rather than on individual program health. PHA looks at more than the Naval Tactical Grid/Information Warfare (NTG/IW) portion of the "Killchain". PHA uses Mission Engineering Architecture, M&S, and Analysis techniques to integrate the sensors, platforms, weapons, and operators into the NTG/IW architecture to ensure that the Navy delivers to mission level capability.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	143.573	87.457	79.389	-	79.389
Current President's Budget	139.768	87.457	164.391	-	164.391
Total Adjustments	-3.805	0.000	85.002	-	85.002
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.836	0.000			
• SBIR/STTR Transfer	-4.641	0.000			
• Program Adjustments	0.000	0.000	85.055	-	85.055
• Rate/Misc Adjustments	0.000	0.000	-0.053	-	-0.053

Change Summary Explanation

FUNDING:

Tactical METOC Applications (Project 2343): NITES-Next increase of $.492M is due to additional software development efforts related to the development and integration of METOC production center data to programs and platforms in support of denied, disrupted, intermittent, and limited (DDIL) environments as well as the continued expansion in cloud infrastructure.

Fleet METOC Equipment (Project 2345): Littoral Battlespace Sensing - Unmanned Undersea Vehicle (LBS-UUV) decrease of $0.017M and Environmental Satellite Receiver Processor (ESRP) decrease of $0.037M from FY 2024 to FY 2025 reflects a reduction in the studies and/or assessments of new technology in support of Fleet METOC Equipment Modernization.

Naval Operational Business Logistics Enterprise (NOBLE) (Project 3260):

Naval Operational Supply System (NOSS): Continue investment in NOSS Build for tailoring of existing naval supply/financial solutions to include prototyping and configuration, integration, testing, training, and site installation with Navy Financial Systems and other LOG IT capabilities to support Government IV&V, Functional Managers Certification (FMC) and Limited Deployment (LD) User Acceptance Test (UAT) at a designated shore site in FY25/26.

Naval Maintenance, Repair, and Overhaul (N-MRO): Increase in investment of $63.843M required to continue functional enhancements related to relevant self-sufficiency improvement enablers needed for the high end fight, and commence of parallel N-MRO Build functional enhancements to address Aviation Intermediate Maintenance Activities (IMA) and Carrier/Submarine Nuclear Communities, the Maritime Intermediate and Depot Level Maintenance activities, and Aviation Maintenance Depot activities to include prototyping and configuration, integration, testing, training, and site installation with other LOG IT capabilities to support targeted Government IV&V, FMC, and LD UAT's in FY25/26. Additional increase investment is required to plan and implement technical, cyber, training, and transition of N-MRO to multiple Aviation and Maritime platforms, deliver the common platform hosting environment and data exchange solution to support LOG IT deployments.

Logistics Integrated Data Environment (L-IDE): Increase investment of $7.8M required to expand implementation of the Logistics integrated data environment access to enhanced information integration for decision making in contested environments, and real-time data driven operational and ashore reporting metrics.

FORCEnet (Project 9123): Increase of $2.309M reflects Navy's priority to fund Information Warfare (IW) Portfolio Health Assessments (PHAs) of Navy mission areas to identify gaps in Information Warfare capabilities in the context of assessed mission areas.

Technical:

Not applicable.

SCHEDULE:

Fleet METOC Equipment (Project 2345): Program is pursuing a Commercial Off the Shelf (COTS) based solution for Environmental Satellite Receiver Processor (ESRP) Afloat Modernization with integration initiatives vice a new development effort.

Tactical Support Center (Project 0486):

- CP-2 Engineering Development Model (EDM) Hardware procurement added in Q3FY25 in accordance with the schedule.
- DevSecOp Transition added in Q1FY25 in accordance with the schedule.

Naval Operational Business Logistics Enterprise (NOBLE) (Project 3260): The schedule changes are due to the ASN(RDA)/OPNAV Senior Steering Group (SSG) approved and Fleet Commanders endorsed changes to the N-MRO and NOSS acquisition strategy, capability and fielding plan which provides agile delivery

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604231N *I COMMAND AND CONTROL*

of N-MRO capabilities to meet emergent fleet operational priorities to Naval Operational Forces and user communities. Further the SSG authorized continued expansion of a Logistics Integrated Data Environment (L-IDE) required to integrate Logistics Domain enterprise data environment access decision making in contested environments, and real-time data driven operational and ashore reporting metrics.

The updated N-MRO acquisition strategy approved for separate N-MRO Build 2 standalone operational testing (i.e. User Acceptance Testing (UAT)), in Fiscal Year (FY) 2024 to support backward compatibility with multiple legacy systems to improve cybersecurity to meet threat profiles.

The NOSS strategy was modified by the ASN(RDA)/OPNAV SSG in December 2023 requiring a material solution analysis (MSA) to be conducted in FY24 to evaluate leveraging existing DON investments in supply solutions which could fulfill the NOSS functional requirements. ASN(RDA)/OPNAV SSG plans to approve a revised NOSS strategy in Q3 FY24, and to commence development, integration, testing, and training with other LOG IT capabilities to support standalone Limited Deployments, and operational testing venues at designated shore sites in FY25/26.

The N-MRO Build strategy approved at the SSG in December 2022 authorized continued functional enhancement (i.e. relevant self-sufficiency improvement enablers needed for the high end fight), and for expanding the scope of the N-MRO solution to include the software configuration, integration, testing, deployment and training to the Aviation Intermediate Maintenance Activities (IMA) and Carrier/Submarine Nuclear Communities, the Maritime Intermediate (i.e. Regional Maintenance Centers (RMCs), and Depot Level Maintenance activities (i.e. Naval Shipyards and other shore maritime facilities), and Aviation Maintenance Depot activities to include integration with other LOG IT capabilities to support Limited Deployment, cybersecurity testing, and operational testing venues in FY25/26.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 0486 / *Tactical Support Center*	

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
0486: *Tactical Support Center*	159.601	5.912	6.167	12.425	-	12.425	14.619	12.346	12.593	12.859	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

TacMobile is the Ground Station that brings Enterprise Command, Control, Communications, Computers and Intelligence, Surveillance and Reconnaissance (C4ISR) to the Maritime Patrol and Reconnaissance Force (MPRF) community.

TacMobile is a long-running, multi-year acquisition program that provides Command, Control, Communications, Computers, and Intelligence (C4I) for Navy's MPRF. From within Tactical Operations Centers (TOC) at well-supported airfields, TacMobile provides theater Anti-Submarine Warfare (ASW) and Intelligence Surveillance Reconnaissance (ISR) commanders a common tactical picture while providing pre-flight and post-flight support to manned and unmanned MPRF aircraft. From within Mobile Tactical Operations Centers (MTOC), TacMobile supports manned MPRF aircraft at the tactical edge of operations. TacMobile Fly-Away Kits (FAK) support manned MPRF aircraft in short-duration expeditionary
settings.

Services provided include analysis and correlation of diverse sensor information; data management support; command decision aids; rapid data communication; mission planning, evaluation and reach-back dissemination of surveillance data and threat alerts to operational users ashore and afloat, and to the Maritime Intelligence Surveillance and Reconnaissance Environment.

The TacMobile program uses an evolutionary development strategy consisting of Capability Packages to meet new and emergent Fleet requirements, while retaining current capabilities. These capability packages consist of a three phase approach: Capability Package One (CP-1) which addresses SECRET domain only (planned fielding in FY25); Capability Package Two (CP-2) meets the Minimum Viable Product (MVP) (Initial Operational Capability (IOC) in FY28); and Capability Package Three (CP-3) will meet full Capability Production Document (CPD) requirements. These Capability Packages are planned and resourced to support the MPRF Family of Systems aircraft: P-8A Poseidon aircraft modernization and upgrades; and Advanced Airborne Sensor (AAS).

In FY 2025, TacMobile begins shifting from its current TacMobile Inc 2.1 baseline to a modernized and modular hardware and software architecture (Inc. 3.0 baseline), leveraging Model Based Systems Engineering, and increased cloud, virtualization, micro-services, and container based technology. Transition of development environments, personnel, and processes to a cloud-based Development, Security, and Operations (DevSecOps) approach to meet fleet Size Weight and Power (SWaP) and cyber resiliency requirements. Conduct Increment 3 Critical Design Review (CDR) and finalize documentation. Procurement of hardware to support development of the engineering development model (EDM) to meet fleet requirements to support Higher Than Secret (HTS) operations with expeditionary HTS shelters. Initiate Interim Authority To Test (IATT) preparation for HTS Lab and System accreditation. Commence EDM integration. Incorporate a program Test Lead and integrate Commander Operational Test and Evaluation Force (COTF) involvement for Test and Evaluation (T&E) oversight of Developmental Test activities. Commence transition of Mission Planning Software from legacy End-Of-Life Joint Mission Planning System (JMPS) to Next-Generation Open Mission Systems (NOMS) architecture.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 0486 / *Tactical Support Center*

NAVAIR is designing and developing an interim P-8A Increment 3 ground station (PGS) that leverages TacMobile Inc 2.1 communications infrastructure at fixed site Tactical Operations Centers (TOC). This PGS instantiation meets a subset of the TacMobile requirements.

TacMobile Inc 3 leverages the PGS architecture with the focus on increased mobility (Size, Weight, Power and Cooling (SWaP-C)) for the Mobile Tactical Operations Centers (MTOC) to meet the complete TacMobile Inc 3 requirements.

The TacMobile Inc 3 system will be aligned to support P-8A Inc 3 Block 2 ECP 6 and ECP 7 as well as Advanced Airborne Sensor (AAS) capabilities, adding an additional security enclave, while offsetting the size/weight/power/cooling (SWaP-C) requirements to support worldwide expeditionary Maritime Patrol and Reconnaissance Force (MPRF) Aircraft operations. The TacMobile Increment 3 integration continues to ensure interoperability with emerging MPRF Aircraft and Sensors, streamline Pre-Flight Insertion Data (PID) processing, and facilitate the MPRF Intelligence Surveillance and Reconnaissance and Anti-Submarine Warfare data Processing - Exploitation - Dissemination (PED) capabilities within the TacMobile systems.

The PGS partial solution will be recapitalized where feasible and incorporated into the full TacMobile Increment 3 design solution. Leveraging PGS will require some TacMobile redesign to achieve a smaller, lightweight, scalable Network-centric Services Oriented Architecture (SOA) configuration.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: TacMobile Increment 3.0	5.912	6.167	12.425	0.000	12.425
Articles:	-	-	-	-	-
FY 2024 Plans: INTEROPERABILITY: Incorporate aircraft interfaces from the PMA290 P-8 Ground Station (PGS) architecture; enhanced track management; improved deployable communications and aircraft media handling capability; continue TacMobile Increment 3 HTS design and development towards a Milestone C decision in 4QFY27. SYSTEM UPGRADES: Incorporate fleet and engineering change requests - mobile communication improvements via commercial SATCOM and cellular, mission planning improvements; automated distribution of data to external sources; MUOS capability - into Increment 3 design (Inc 3.0); Implement smaller form factor upgrades which will address obsolescence and technological change - remote communications capability; user based workstations/monitors/peripherals and network devices; mobile shelters and energy efficient environmental control units (ECUs); communication modem and antenna replacement.					
FY 2025 Base Plans: -Commence transition of development environments, personnel, and processes to a cloud-based Development, Security, and Operations (DevSecOps) approach to meet fleet Size, Weight, Power and Cooling (SWaP-C) and cyber resiliency requirements. -Conduct Increment 3 Critical Design Review (CDR) and finalize documentation					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 0486 / *Tactical Support Center*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
-Procurement of hardware to support development of the engineering development model (EDM) to meet fleet requirements to support Higher Than Secret (HTS) operations with expeditionary HTS shelters. EDM hardware includes: -Sensitive Compartmented Information (SCI) Network and C4I hardware -Network system hardware -TOP SECRET (TS)/ SCI Shelter with Power and Heating, Ventilation and Air Conditioning (HVAC) -P-8A Aircraft Interface Subsystem (AIS) -P-8A Fly Away Kit (FAK) -Initiate Interim Authority To Test (IATT) preparation for HTS Lab and System accreditation -Commence EDM integration -Incorporate a program Test Lead and integrate Commander Operational Test and Evaluation Force (COTF) involvement for Test and Evaluation (T&E) oversight of Developmental Test activities -Commence transition of Mission Planning Software from legacy End-Of-Life Joint Mission Planning System (JMPS) to Next-Generation Open Mission Systems (NOMS) architecture. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** TacMobile FY 2024 to FY 2025 funding increase (+$6.258M) enables transition of development environments, personnel, and processes to a cloud-based Development, Security, and Operations (DevSecOps) approach and Procurement of hardware to support the development of the Higher Than Secret (HTS) engineering development model (EDM).					
Accomplishments/Planned Programs Subtotals	5.912	6.167	12.425	0.000	12.425

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
• OPN/2906: *TacMobile*	19.264	30.514	38.180	-	38.180	40.430	33.226	33.995	34.713	Continuing	Continuing

Remarks

BLI 2906 includes both TacMobile and DJC2. TacMobile is only portion being shown above.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 0486 / *Tactical Support Center*

D. Acquisition Strategy

Evolutionary Acquisition - TacMobile is the ground station program of record that supports the P-8A Poseidon and MQ-4C Triton pre- and post-flight C4I requirements and Inflight Command and Control support. These ground stations provide critical reach-back capabilities between the airborne platforms and the Maritime Intelligence Surveillance and Reconnaissance (ISR) Enterprise/ decision makers. TacMobile consists of fixed-site Tactical Operations Centers (TOCs), Mobile TOCs (MTOCs), and Fly Away Kits (FAKs). TacMobile is comprised of 23 subsystems that utilize an evolutionary development strategy consisting of incremental upgrades synchronized to match increased P-8A capabilities, while retaining current functionality and readiness. TacMobile Increment 3 will incorporate support for P-8A Poseidon Increment 3 ECP 6/7 and other Maritime Patrol and Reconnaissance Force (MPRF) Family of Systems (FoS) aircraft systems, as they transition to a DEVSECOPS Architecture.

TacMobile Increment 3 will be developed and fielded in a series of capability package upgrades. Capability Package One (CP-1) will field a GENSER SECRET Technical Refresh to TacMobile Increment 2.1 as a risk reduction toward Increment 3. Capability Package 2 (CP-2) will incorporate and field GENSER SECRET and TOP SECRET Increment 3 capabilities to fully support the P-8A Increment 3 ECP 6/7 aircraft.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 0486 / *Tactical Support Center*	

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	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Charleston; SC; Pax River, MD	17.751	0.000		0.000		6.101	Dec 2024	-		6.101	Continuing	Continuing	Continuing
Systems Engineering	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Charleston, SC; Pax River, MD; San Diego, CA	43.858	3.446	Dec 2022	3.786	Dec 2023	4.002	Dec 2024	-		4.002	Continuing	Continuing	Continuing
Training Development	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Charleston, SC; Pax River, MD; San Diego, CA	3.461	0.000		0.000		0.181	Dec 2024	-		0.181	Continuing	Continuing	Continuing
Software Development	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Charleston, SC; Pax River, MD; San Diego, CA	52.366	0.000		0.000		0.800	Dec 2024	-		0.800	Continuing	Continuing	Continuing
Integrated Logistics Support	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Charleston, SC; Pax River, MD	1.883	0.043	Dec 2022	0.043	Dec 2023	0.126	Dec 2024	-		0.126	Continuing	Continuing	Continuing
Configuration Management	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Charleston, SC; Pax River, MD	1.484	0.044	Dec 2022	0.044	Dec 2023	0.142	Dec 2024	-		0.142	Continuing	Continuing	Continuing
Technical Data	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD :	3.983	1.629	Dec 2022	1.544	Dec 2023	0.126	Dec 2024	-		0.126	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 0486 / *Tactical Support Center*	

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
		Charleston, SC; Pax River, MD													
Studies & Analyses	C/CPFF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Pax River, MD; San Diego CA	1.485	0.400	Dec 2022	0.400	Dec 2023	0.000		-		0.000	0.000	2.285	-
Development Support	C/CPFF	NIWC LANT; SRC : Charleston, SC; Pax River, MD	0.000	0.000		0.000		0.277	Dec 2024	-		0.277	Continuing	Continuing	Continuing
		Subtotal	126.271	5.562		5.817		11.755		-		11.755	Continuing	Continuing	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)	C/CPIF	NIWC LANT; SRC; Charleston, SC; Pax River, MD : Charleston, SC; Pax River, MD	5.293	0.000		0.000		0.000		-		0.000	0.000	5.293	-
Operational Test & Evaluation (OT&E)	MIPR	OPTEVFOR; NIWC LANT; SRC : Jacksonville, FL;Patuxent River MD	6.020	0.000		0.000		0.000		-		0.000	0.000	6.020	-
		Subtotal	11.313	0.000		0.000		0.000		-		0.000	0.000	11.313	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 0486 / *Tactical Support Center*	

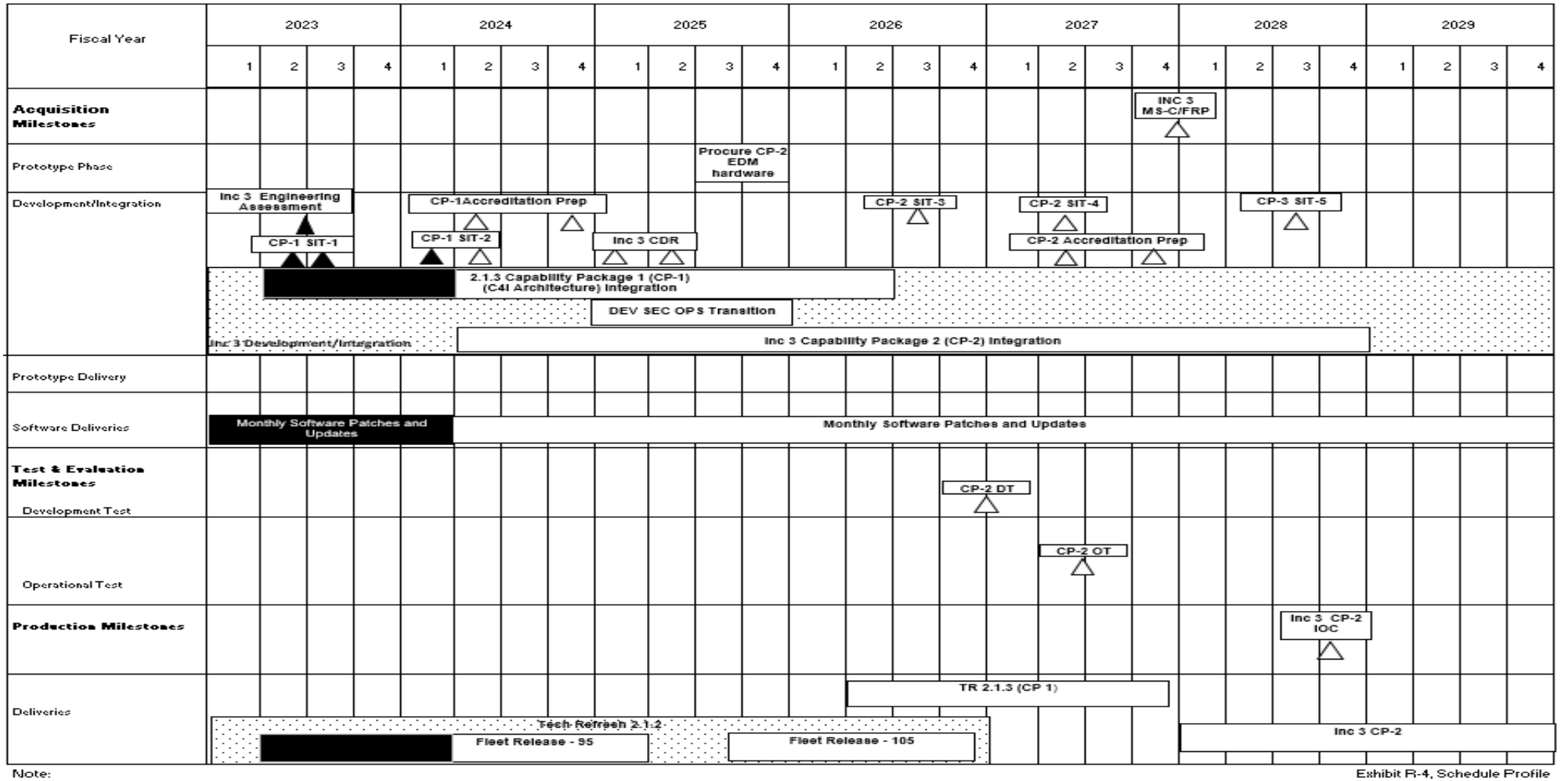
Management Services ($ in Millions)

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
Contractor Engineering Support	C/CPIF	SRC; BAH; Deloitt : Charleston, SC; Pax River, MD; San Diego, CA	4.395	0.195	Dec 2022	0.195	Dec 2023	0.314	Dec 2024	-		0.314	Continuing	Continuing	Continuing
Government Engineering Support	WR	NIWC LANT : Charleston, SC; Pax River, MD	2.862	0.107	Dec 2022	0.107	Dec 2023	0.263	Dec 2024	-		0.263	Continuing	Continuing	Continuing
Program Management Support	C/CPIF	NIWC PAC;PMW 750; SRC; BAH; Deloitte : Charleston, SC; San Diego, CA	14.353	0.023	Dec 2022	0.023	Dec 2023	0.048	Dec 2024	-		0.048	Continuing	Continuing	Continuing
Travel	WR	PMW750 : San Diego, CA	0.407	0.025	Dec 2022	0.025	Dec 2023	0.045	Dec 2024	-		0.045	Continuing	Continuing	Continuing
		Subtotal	22.017	0.350		0.350		0.670		-		0.670	Continuing	Continuing	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	159.601	5.912		6.167		12.425		-		12.425	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 0486 / *Tactical Support Center*



Note:

Exhibit R-4, Schedule Profile

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 0486 / *Tactical Support Center*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 0486				
Inc 3 MS-C/FRP	4	2027	4	2027
Procure CP-2 Engineering Developmant Model (EDM) Hardware	3	2025	4	2025
Inc 3 Engineering Assessment	2	2023	2	2023
CP-1 Accreditation Prep	2	2024	4	2024
Systems Integration Test (CP-1) SIT 1	2	2023	3	2023
Systems Integration Test (CP-1) SIT 2	1	2024	2	2024
Systems Integration Test (CP-2) SIT 3	3	2026	3	2026
Systems Integration Test (CP-2) SIT 4	2	2027	2	2027
Systems Integration Test (CP-3) SIT 5	3	2028	3	2028
Development/Integration (Increment 3)	1	2023	4	2029
Critical Design Review (Increment 3)	1	2025	2	2025
CP-2 Accreditation Prep	2	2027	4	2027
2.1.3 Capability Package (CP-1) Integration	2	2023	2	2026
Development, Security and Operations (DevSecOps) transition	1	2025	4	2025
Inc 3 Capability Package (CP-2) Integration	2	2024	4	2028
Inc 2.1.X Software Patch Delivery (Monthly)	1	2023	4	2029
Developmental Test (CP-2)	4	2026	4	2026
System Operational Test (CP-2) OT	2	2027	2	2027
Inc 3 CP 2 IOC	4	2028	4	2028
Tech Refresh 2.1.3 CP 1 (Inc 3 Risk Reduction)	2	2026	4	2027
Tech Refresh Delivery (TR 2.1.2)	1	2023	4	2026

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 0486 / *Tactical Support Center*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
TR 2.1.2 Fleet Release 95	2	2023	1	2025
TR 2.1.2 Fleet Release 105	3	2025	4	2026
Tech Refresh Delivery (TR 2.1.3) (CP-1)	2	2026	4	2027
Inc 3 Capability Package (CP-2) Delivery	1	2028	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 2343 / *Tactical METOC Applications*	

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
2343: *Tactical METOC Applications*	34.535	13.208	13.271	13.763	-	13.763	14.400	14.589	14.837	15.239	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Tactical Meteorology and Oceanography (METOC) Applications Project provides cyber secure operational effects decision aid capabilities for Navy and Marine Corps warfighters in the context of Joint Operations in a net-centric environment. This project funds the agile software development of the Naval Integrated Tactical Environmental System - Next Generation (NITES-Next) program of record. The NITES-Next program identifies and transitions state-of-the-art decision support software technologies from the government and commercial industry's technology base, and then demonstrates and validates these capabilities before fielding. These software decision support tools provide platform, sensor, communications, and weapon systems performance assessments for warfighters in terms of their littoral and deep-strike battlespace environments. These assessments allow mission planners and warfighters, from Unit to Theater level, to optimize their sensor employment on airborne, surface, and subsurface platforms in support of Naval Composite Warfare mission areas including Undersea Warfare (USW), Anti-Submarine Warfare (ASW), Mine Warfare (MIW), Amphibious Warfare (AMW), Anti-Surface Warfare (ASUW), Anti-Air Warfare (AAW), Strike Warfare (STW), Expeditionary Warfare (EXW), Electronic Warfare (EW), Information Operations (IO), Intelligence Operations (INT), Non-Combat Operations (NCO), Command, Control, Communication (CCC), and Naval Special Warfare (NSW). Performance assessments leading to improvements in operational and tactical control are conducted through a two-tiered approach: 1) METOC Decision Aids and, 2) Operational Effects Decision Aids (OEDAs). METOC Decision Aids consist of a series of analysis tools which characterize the physical environment conditions of the battlespace based on the best set of physical environment data available at the time (i.e., some combination of historical and/or real-time (or near real-time) in-situ, and numerically modeled forecast data). OEDAs use the METOC Decision Aid information by fusing it with relevant, often-classified, sensor and target data to predict how weapons and sensor systems will perform. Performance results are displayed in tabular and graphic formats integrated into net-centric visualization tools for use by mission planners, and combat/weapon system operators to develop localization plans, USW/AAW/ASUW screens, STW profiles, and AMW ingress and egress points. METOC Decision Aids and OEDAs use data obtained through direct interfaces to Navy combat systems. Cyber secure capabilities are a current emphasis required to characterize and/or predict sensor and weapons system performance in the highly complex littoral environments in support of regional conflict scenarios. It addresses multi-warfare areas, particularly shallow water ASW, NSW, and missile and air defense/strike capabilities.

Funding supports development and integration efforts for METOC systems to generate and collect METOC data and fuse multiple intelligence inputs to more robustly characterize and predict tactical atmospheric and oceanographic conditions. This integrated METOC picture will support real-time battlespace awareness of propagation conditions affecting signals across the electromagnetic spectrum. METOC data will be fused with other intelligence data and automatically provided to shipboard combat systems to inform kinetic and non-kinetic fires.

FY 2025 funding supports the development and integration efforts of NITES-next providing METOC production center data to programs and platforms in support of denied, disrupted, intermittent, and limited (DDIL) environments. Funding will continue the software development of highest priority capabilities as outlined in the Software Acquisition Pathway (SWP) Capability Prioritization Meetings (CPMs) to include the Forecaster Toolkit Ashore, continued expansion into the cloud and JWICS enclave, and lightning capability.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2343 / *Tactical METOC Applications*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Naval Integrated Tactical Environmental System - Next Generation (NITES-Next)	13.208	13.271	13.763	0.000	13.763
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue to execute in the SWP allowing the program to develop and field the highest priority capabilities the fleet needs today. - Continue increased fleet engagement activities to support pre-deployment events and support greater clarity for future capabilities. - Continue planning for requirements through iterative software development, annual acquisition strategy reviews, and continuous engineering reviews. - Continue development efforts on cloud infrastructure, JWICS enclave, and emergent capabilities deemed by stakeholders. - Continue management of RMF ATOs and participate in CANES AI SIT events throughout the FY. - Continue its transition into the OSA in order to develop, test, and field in a more iterative and rapid manner. - Continue METOC data integration efforts with programs and projects to support the warfighter.					
FY 2025 Base Plans: - Continue execution under the Software Acquisition Pathway (SWP) focusing on highest priority capabilities needed by the fleet as identified in the Quarterly Capability Prioritization Meetings (CPMs). - Continue migration into cloud infrastructure in support of NITES-Next Ashore capability. - Increase development and integration efforts with Battle Management Aids (BMAs) and Unit Level platforms in support of extending METOC as a Service (MaaS) to systems in denied, disrupted, intermittent, and limited (DDIL) environments. - Continue fleet engagement activities at increased rate in support of more iterative software releases. - Continue development efforts in the JWICS enclave, management of RMF ATOs, and participation in CANES AI SIT events throughout the FY. - Finalize transition in the Overmatch Software Armory (OSA) and begin to field containerized baseline to support iterative and rapid capability releases.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: NITES-Next increase of $0.492 from FY 2024 to FY 2025 increases the software development efforts related to the development and integration of METOC production center data to programs and platforms in support of					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2343 / *Tactical METOC Applications*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
denied, disrupted, intermittent, and limited (DDIL) environments as well as the continued expansion in cloud infrastructure.					
Accomplishments/Planned Programs Subtotals	13.208	13.271	13.763	0.000	13.763

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
• OPN/4226: *Meteorological Equipment*	15.175	19.703	17.982	-	17.982	16.794	16.676	18.421	20.262	Continuing	Continuing

Remarks

D. Acquisition Strategy

The NITES-Next program acquisition, management and contracting strategies are to support the Tactical Meteorology & Oceanography (METOC) Applications project to continue the development of state-of-the-art software capabilities that provide sensor, communication, and weapon system performance assessment capabilities for open ocean and littoral operating environments. The Department of the Navy (DoN) maintains management oversight of the NITES-Next program's acquisition and contracting strategies.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 2343 / *Tactical METOC Applications*	

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
NITES-Next Software Development	WR	NIWC Pacific : San Diego, CA	7.623	3.141	Nov 2022	3.108	Nov 2023	3.171	Nov 2024	-		3.171	Continuing	Continuing	Continuing
NITES-Next Software Development	C/FP	SAIC : Virginia	6.550	2.487	Jan 2023	2.536	Jan 2024	2.759	Jan 2025	-		2.759	Continuing	Continuing	Continuing
NITES-Next Software Development	WR	NIWC Atlantic : South Carolina	0.282	0.360	Oct 2022	0.161	Oct 2023	0.166	Oct 2024	-		0.166	Continuing	Continuing	Continuing
NITES-Next Software Development	C/IDIQ	Various : Various	13.173	4.783	May 2023	4.937	May 2024	5.036	May 2025	-		5.036	Continuing	Continuing	Continuing
		Subtotal	27.628	10.771		10.742		11.132		-		11.132	Continuing	Continuing	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
NITES-Next Architecture	C/FP	SAIC : Virginia	3.966	1.503	Jan 2023	1.500	Jan 2024	1.530	Jan 2025	-		1.530	Continuing	Continuing	Continuing
		Subtotal	3.966	1.503		1.500		1.530		-		1.530	Continuing	Continuing	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
NITES-Next Government Technical Oversight	WR	NIWC PAC : San Diego, CA	1.199	0.444	Nov 2022	0.442	Nov 2023	0.470	Nov 2024	-		0.470	Continuing	Continuing	Continuing
NITES-Next Program Management	C/FP	BAH : San Diego CA	1.742	0.490	Jan 2023	0.587	Jan 2024	0.631	Jan 2025	-		0.631	Continuing	Continuing	Continuing
		Subtotal	2.941	0.934		1.029		1.101		-		1.101	Continuing	Continuing	N/A

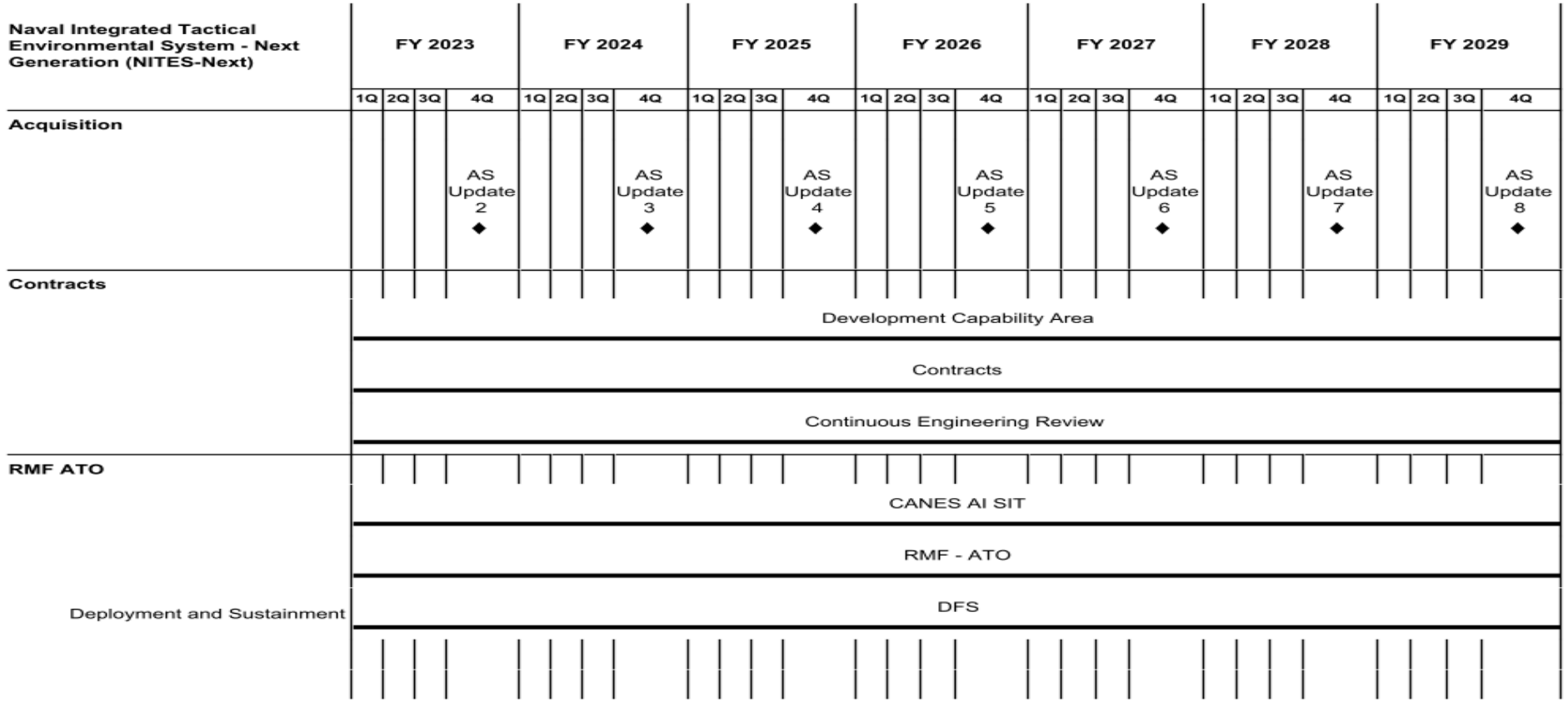
	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	34.535	13.208		13.271		13.763		-		13.763	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 2343 / *Tactical METOC Applications*	

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2343 / *Tactical METOC Applications*



2025OSD - 0604231N - 2343

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2343 / *Tactical METOC Applications*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Naval Integrated Tactical Environmental System - Next Generation (NITES-Next)				
Acquisition: Acquisition Strategy Update 2	4	2023	4	2023
Acquisition: Acquisition Strategy Update 3	4	2024	4	2024
Acquisition: Acquisition Strategy Update 4	4	2025	4	2025
Acquisition: Acquisition Strategy Update 5	4	2026	4	2026
Acquisition: Acquisition Strategy Update 6	4	2027	4	2027
Acquisition: Acquisition Strategy Update 7	4	2028	4	2028
Acquisition: Acquisition Strategy Update 8	4	2029	4	2029
Contracts: Development Capability Area	1	2023	4	2029
Contracts: Contracts	1	2023	4	2029
Contracts: Continuous Engineering Review	1	2023	4	2029
RMF ATO: CANES AI SIT	1	2023	4	2029
RMF ATO: RMF - ATO	1	2023	4	2029
RMF ATO: Deployment and Sustainment: Deployment, fielding and Sustainment (OMN)	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 2345 / *Fleet METOC Equipment*	

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
2345: *Fleet METOC Equipment*	3.138	0.482	0.640	0.603	-	0.603	0.502	0.513	0.523	0.534	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Littoral Battlespace Sensing - Unmanned Undersea Vehicles (LBS-UUV) project provides for the engineering and manufacturing development of sensors, communication interfaces, processing and display meteorological and oceanographic (METOC) equipment. This equipment is designed to provide future mission capabilities for war fighters to measure, ingest, store, process, distribute and display METOC parameters and derived products.

This project also exploits new government off-the-shelf/commercial off-the-shelf technologies, tactical sensors and web enablement for the Navy's computer-based tactical shipboard and shore capability used to predict and assess the operational effects of the physical environment on the performance of platforms, weapons and sensor systems. This project includes development of warfare specific mission planning modules to support unmanned systems with integration of data from environmental and tactical sensor systems, model forecast information and Geospatial Information & Services Databases. This project also supports development of autonomous environmental sensing systems for situational awareness and tactical decision aid/mission planner support, as well as iridium and advanced satellite communication integration in METOC sensor, vehicle control and mission planning systems that will be required to achieve Chief of Naval Operations (CNO) objectives for information dominance and decision superiority.

Major emphasis areas include Littoral Battlespace Sensing - Unmanned Undersea Vehicles (LBS-UUV) and the Environmental Satellite Receiver Processor (ESRP) program (comprised of ESRP AFLOAT (formerly AN/SMQ-11) and ESRP ASHORE (formerly AN/FMQ-17) systems).

FY 2025 funding for Littoral Battlespace Sensing - Unmanned Undersea Vehicles (LBS-UUV) will primarily focus on Littoral Battlespace Sensing - Glider (LBS-G) engineering studies and analysis, to include but not limited to the development, modification, experimentation, integration, and/or demonstration of mechanical, software and/or sensor enhancements. Other efforts include studying potential solutions to LBS-UUV requirements.

FY 2025 funding for Environmental Satellite Receiver Processor (ESRP) will support new technology assessments for ESRP modernization.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Littoral Battlespace Sensing - Unmanned Undersea Vehicle (LBS-UUV)	0.086	0.205	0.188	0.000	0.188
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue engineering design studies for the Littoral Battlespace Sensing - Gliders (LBS-G) and Littoral Battlespace Sensors - Autonomous Undersea Vehicles (LBS-AUV).					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2345 / *Fleet METOC Equipment*

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 develop system upgrades via Engineering Change Proposals (ECP's) and correct any identified software and/or hardware deficiencies. - Continue investigating potential capability improvements, such as, but not limited to, endurance (e.g. battery technology, bio-fouling), autonomy (precise navigation with obstacle avoidance), communications (comms at depth), and advanced sensors (CTD, optical clarity). ***FY 2025 Base Plans:*** - Continue engineering design studies for the Littoral Battlespace Sensing - Gliders (LBS-G) and perform initial feasibility and engineering studies, analysis, development, modification, experimentation, integration, and/or demonstration of new or improved electrical, software, mechanical, sensor, and/or system enhancements for Littoral Battlespace Sensing. Other efforts include studying potential solutions to LBS-UUV requirements. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of -$0.017M for Teledyne Brown Engineering (TBE) from FY 2024 to FY 2025 reflects a reduction in the amount of engineering studies, analysis, development, modification, experimentation, integration, and/or demonstration of Littoral Battlespace Sensing - Gliders (LBS-G) system enhancements.					
Title: Environmental Satellite Receiver Processor (ESRP)	0.396	0.435	0.415	0.000	0.415
Articles:	-	-	-	-	-
FY 2024 Plans: - Continuing integration of ESRP systems in support of WSF-M, EWS-G, GOES-15, GOES-16, GOES-17 and EUMETSAT satellites. - Demonstrating & testing ESRP Afloat modernization prototype for commercial SATCOM integration, test, and deploy. ***FY 2025 Base Plans:*** - Continue technology assessments for Environmental Satellite Receiver Processor (ESRP) modernization. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:***					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2345 / *Fleet METOC Equipment*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Environmental Satellite Receiver Processor (ESRP) decrease of $0.020M from FY 2024 to FY 2025 reflects a reduction in the studies and/or assessments of new technology in support of ESRP modernization.					
Accomplishments/Planned Programs Subtotals	0.482	0.640	0.603	0.000	0.603

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
• OPN/4226: *Meteorological Equipment*	15.175	19.703	17.982	-	17.982	16.794	16.676	18.421	20.262	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Littoral Battlespace Sensing - Unmanned Undersea Vehicles (LBS-UUV) acquisition strategy is to develop and engineer equipment to acquire Meteorological and Oceanographic (METOC) data in order to improve the accuracy of global and regional scale METOC forecast models.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2345 / *Fleet METOC Equipment*

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
Littoral Battlespace Sensing - Gliders Development	Various	Teledyne Brown : Alabama	0.184	0.043	Mar 2023	0.205	Mar 2024	0.188	Mar 2025	-		0.188	Continuing	Continuing	Continuing
Littoral Battlespace Sensing - Autonomous Undersea Vehicle Development	Various	HII : Pocasset, MA	0.189	0.043	Mar 2023	0.000		0.000		-		0.000	0.000	0.232	-
Environmental Satellite Receiver Processor (ESRP) - Development	SS/CPFF	Vertex : Indianapolis	1.065	0.346	Mar 2023	0.435	Mar 2024	0.415	Mar 2025	-		0.415	Continuing	Continuing	Continuing
Environmental Satellite Receiver Processor (ESRP) - Development	Various	The Mitre Corporation : Mc Lean Virginia	0.300	0.000		0.000		0.000		-		0.000	0.000	0.300	-
Environmental Satellite Receiver Processor (ESRP) - Development	Various	NIWC Pacific : San Diego, Ca	1.400	0.050	Mar 2023	0.000		0.000		-		0.000	0.000	1.450	-
		Subtotal	3.138	0.482		0.640		0.603		-		0.603	Continuing	Continuing	N/A

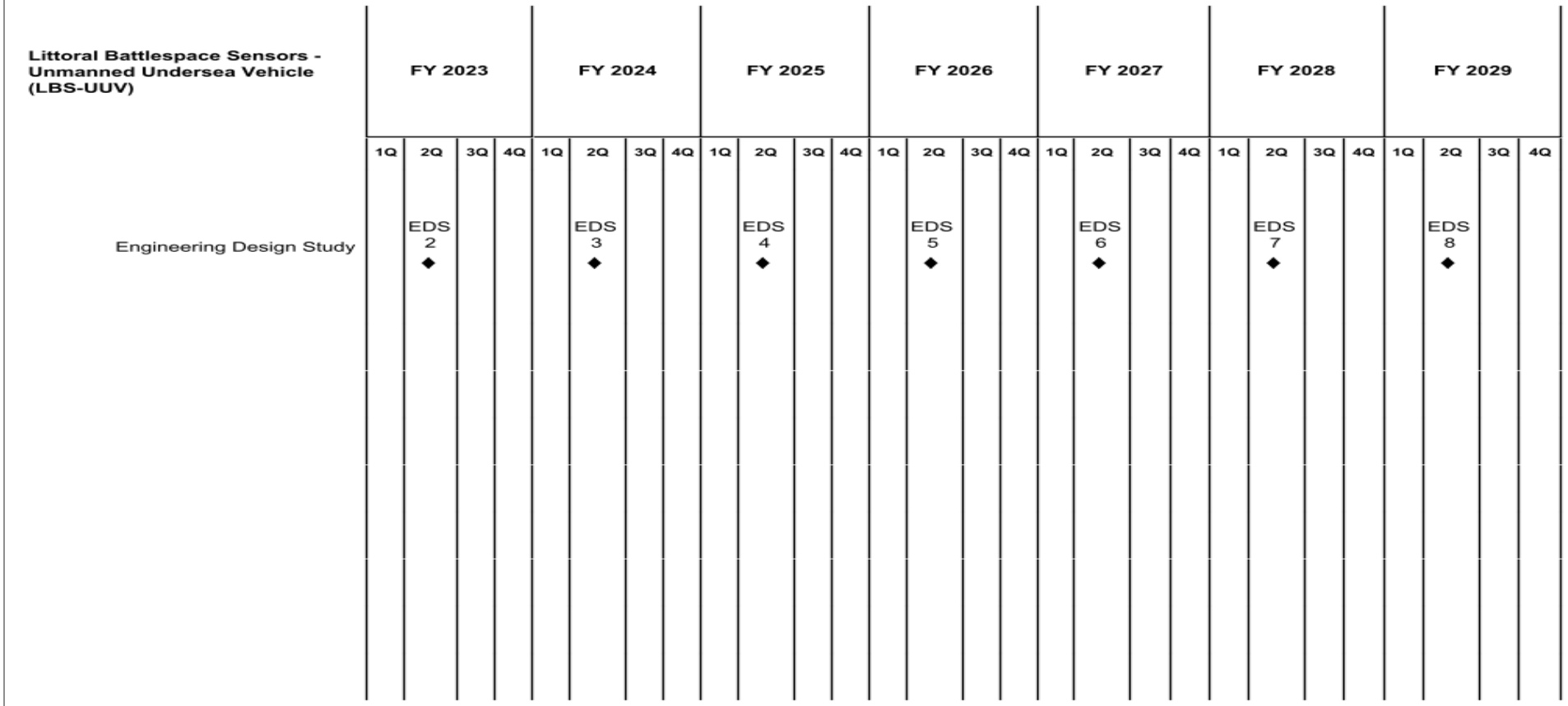
Remarks

Decrease for Teledyne Brown from FY2024 to FY2025 will decrease the amount of engineering studies, development, modifications, experimentations, integration, and/ or demonstrations for LBS Glider system enhancements.

	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	3.138	0.482		0.640		0.603		-		0.603	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2345 / *Fleet METOC Equipment*



2025OSD - 0604231N - 2345

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2345 / *Fleet METOC Equipment*

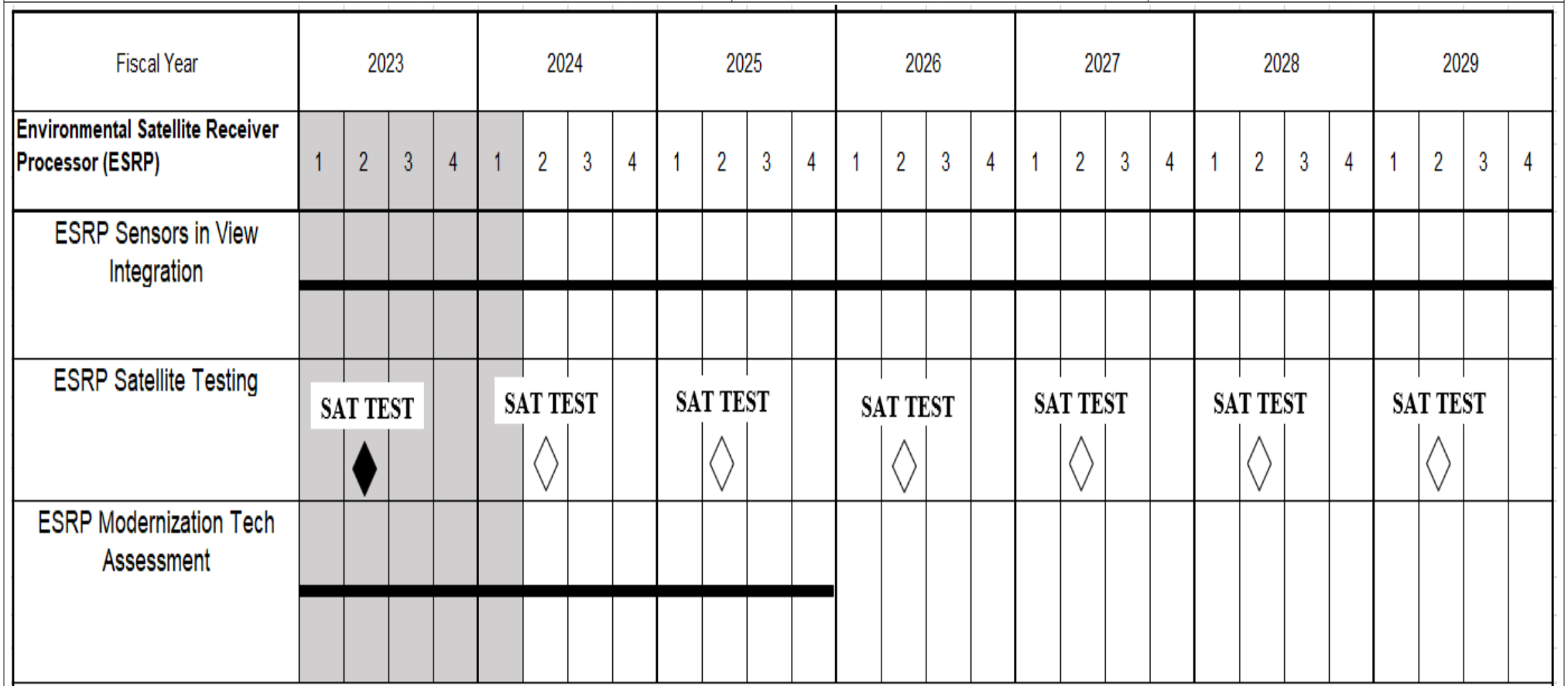


Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2345 / *Fleet METOC Equipment*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Littoral Battlespace Sensors - Unmanned Undersea Vehicle (LBS-UUV)				
Engineering Design Study: Engineering Design Study 2	2	2023	2	2023
Engineering Design Study: Engineering Design Study 3	2	2024	2	2024
Engineering Design Study: Engineering Design Study 4	2	2025	2	2025
Engineering Design Study: Engineering Design Study 5	2	2026	2	2026
Engineering Design Study: Engineering Design Study 6	2	2027	2	2027
Engineering Design Study: Engineering Design Study 7	2	2028	2	2028
Engineering Design Study: Engineering Design Study 8	2	2029	2	2029
Environmental Satellite Receiver Processor (ESRP)				
ESRP Sensors in View Integration: ESRP Sensors in View Integration	1	2023	4	2029
ESRP Satellite Testing: ESRP Satellite Testing (FY23)	2	2023	2	2023
ESRP Satellite Testing: ESRP Satellite Testing (FY24)	2	2024	2	2024
ESRP Satellite Testing: ESRP Satellite Testing (FY25)	2	2025	2	2025
ESRP Satellite Testing: ESRP Satellite Testing (FY26)	2	2026	2	2026
ESRP Satellite Testing: ESRP Satellite Testing (FY27)	2	2027	2	2027
ESRP Satellite Testing: ESRP Satellite Testing (FY28)	2	2028	2	2028
ESRP Satellite Testing: ESRP Satellite Testing (FY29)	2	2029	2	2029
ESRP Modernization Tech Assessment: ESRP Modernization Tech Assessment	1	2023	4	2025

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*				Project (Number/Name) 2363 / *Remote Sensing Capability Development*			
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**
2363: *Remote Sensing Capability Development*	16.807	5.014	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	21.821
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Remote Sensing Capability Development (RSCD) Program (Proj 2363) has been realigned from PE 0604231N to PE 0304785N starting in FY24.

A. Mission Description and Budget Item Justification

The Remote Sensing Capabilities Development (RSCD) project integrates and fields capabilities to enhance maritime domain awareness using non-organic sensors under the Top Secret / Sensitive Compartmented Information (TS/SCI) SEAHORSE process. The system addresses Fleet Integrated Prioritized Capability List (IPCL) and capabilities gaps for increasing Battlespace Awareness and Intelligence Surveillance and Reconnaissance (ISR) capabilities to support Fleet Tasking, Collections, Processing, Exploitation, and Dissemination (TCPED) processes. RSCD employs automation concepts to produce intelligence with significantly less Fleet manpower than traditional processes. The project is also working to shorten and streamline the SEAHORSE TCPED cycle to meet speed of service and accuracy requirements. RSCD incorporates state of the art software in the form of machine/continuous learning technologies to achieve a significant reduction of false alarm rates. SEAHORSE is relied upon by INDOPACOM, CENTCOM, and EUCOM to provide intelligence solutions (detail held at a higher classification). RSCD supporting the transition of SEAHORSE to a fully integrated, cloud-based, operational system.

FY 2025 funding will continue the planned data collection, algorithm enhancement, algorithm performance assessment, and system integration activities in PE 0304785N.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Remote Sensing Capability Development (RSCD)	5.014	0.000	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2024 Plans: Remote Sensing Capability Development (RSCD) Program (Proj 2363) has been realigned from PE 0604231N to PE 0304785N starting in FY 2024.					
FY 2025 Base Plans: N/A					
FY 2025 OCO Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2363 / *Remote Sensing Capability Development*

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 2024 to FY 2025 Increase/Decrease Statement:*** Remote Sensing Capability Development (RSCD) Program (Proj 2363) has been realigned from PE 0604231N to PE 0304785N starting in FY 2024.					
Accomplishments/Planned Programs Subtotals	5.014	0.000	0.000	0.000	0.000

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The Remote Sensing Capabilities Development (RSCD) acquisition strategy is being managed by the Program Executive Office Command, Control, Communications, Computers and Intelligence (PEO C4I) and Space, via a Project Definition Document (PDD) construct for acquisition rigor and oversight.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 2363 / *Remote Sensing Capability Development*	

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
RSCD Software Development	C/FFP	SAIC : Viriginia	2.498	0.512	Feb 2023	0.000		0.000		-		0.000	0.000	3.010	-
RSCD Software Development	WR	NRL : Various	3.616	1.007	Nov 2022	0.000		0.000		-		0.000	0.000	4.623	-
RSCD Software Development	C/FFP	Cubic/Valiant : San Diego, CA	4.191	0.941	Apr 2023	0.000		0.000		-		0.000	0.000	5.132	-
		Subtotal	10.305	2.460		0.000		0.000		-		0.000	0.000	12.765	N/A

Remarks

Remote Sensing Capability Development (RSCD) Program (Proj 2363) has been realigned from PE 0604231N to PE 0304785N starting in FY24.

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
RSCD Architecture	WR	NIWC PAC : San Diego, CA	2.236	0.767	Nov 2022	0.000		0.000		-		0.000	0.000	3.003	-
		Subtotal	2.236	0.767		0.000		0.000		-		0.000	0.000	3.003	N/A

Remarks

Remote Sensing Capability Development (RSCD) Program (Proj 2363) has been realigned from PE 0604231N to PE 0304785N starting in FY24.

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	NIWC PAC : San Diego, CA	2.589	0.000		0.000		0.000		-		0.000	0.000	2.589	-
Developmental Test & Evaluation (DT&E)	C/FFP	Cubic/Valiant : San Diego, CA	0.959	1.021	Apr 2023	0.000		0.000		-		0.000	0.000	1.980	-
Developmental Test & Evaluation (DT&E)	WR	DOE : Albuquerque, NM	0.718	0.766	Nov 2022	0.000		0.000		-		0.000	0.000	1.484	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 2363 / *Remote Sensing Capability Development*	

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
		Subtotal	4.266	1.787		0.000		0.000		-		0.000	0.000	6.053	N/A

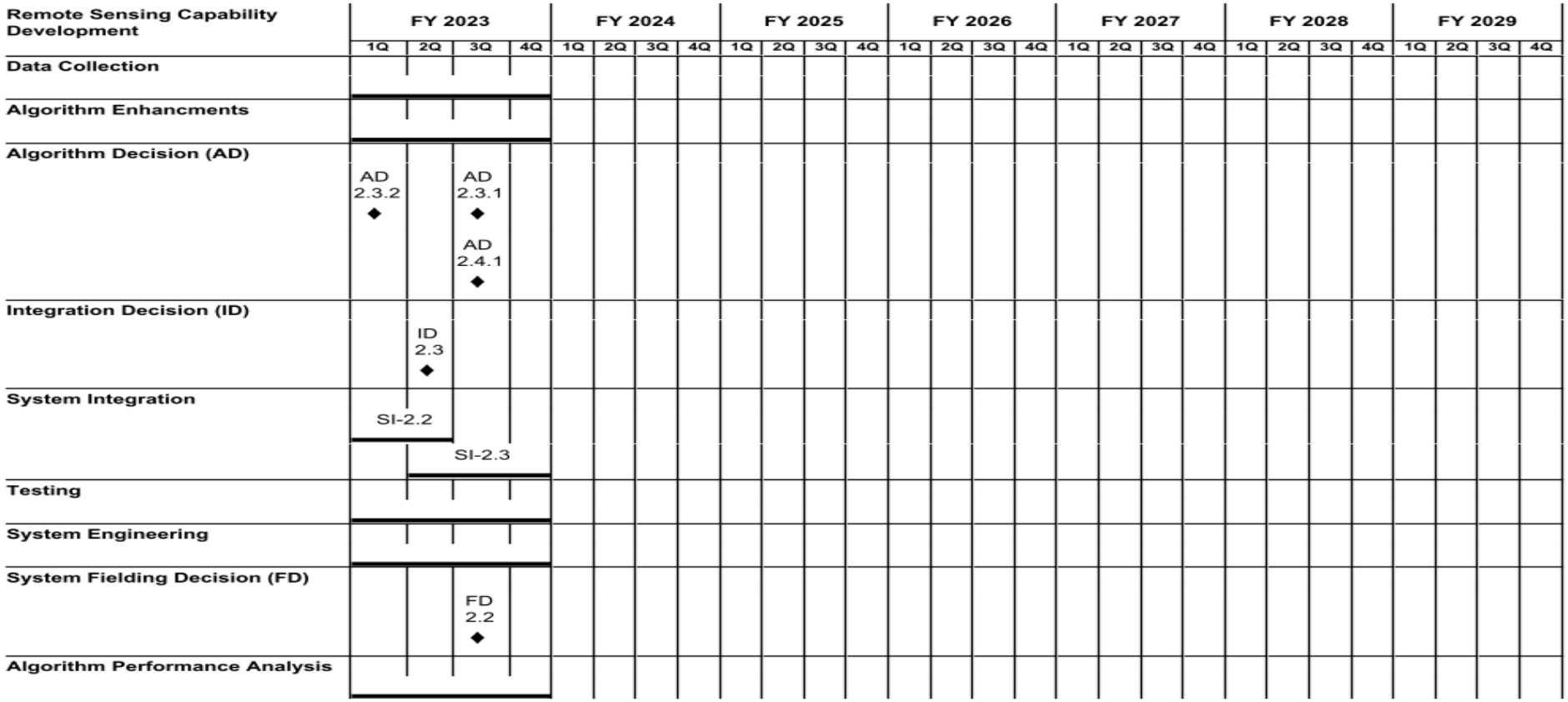
Remarks

Remote Sensing Capability Development (RSCD) Program (Proj 2363) has been realigned from PE 0604231N to PE 0304785N starting in FY24.

	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	16.807	5.014		0.000		0.000		-		0.000	0.000	21.821	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2363 / *Remote Sensing Capability Development*



2025PB - 0604231N - 2363

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 2363 / *Remote Sensing Capability Development*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Remote Sensing Capability Development				
Data Collection:	1	2023	4	2023
Algorithm Enhancments:	1	2023	4	2023
Algorithm Decision (AD): Algorithm Decision 2.3.1	3	2023	3	2023
Algorithm Decision (AD): Algorithm Decision 2.3.2	1	2023	1	2023
Algorithm Decision (AD): Algorithm Decision 2.4.1	3	2023	3	2023
Integration Decision (ID): Integration Decision 2.3	2	2023	2	2023
System Integration: System Integration 2.2	1	2023	2	2023
System Integration: System Integration 2.3	2	2023	4	2023
Testing:	1	2023	4	2023
System Engineering:	1	2023	4	2023
System Fielding Decision (FD): Fielding Decision 2.2	3	2023	3	2023
Algorithm Performance Analysis:	1	2023	4	2023

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy											Date: March 2024	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*				Project (Number/Name) 3050 / *Deployable JT Command and Control*			
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**
3050: *Deployable JT Command and Control*	8.208	3.693	3.785	3.462	-	3.462	3.571	3.628	3.702	3.781	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Deployable Joint Command and Control (DJC2) provides a self-contained, standardized, rapidly deployable, modular, scalable, and reconfigurable joint command and control (C2) capability to designated Geographic Combatant Commands (GCCs). DJC2 is the materiel solution to Defense Planning Guidance that called for the development of standing Joint Task Forces (JTFs) with a deployable C2 capability. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and JFCs a mission critical, integrated family of systems with which to plan, control, coordinate, execute, and assess operations. It is designed to deploy rapidly, set up within hours, and quickly provide necessary C2 mission and collaboration functionality across the full spectrum of JTF operations. The DJC2 has also been deployed in support of Humanitarian Assistance and Disaster Relief (HA/DR) efforts. The capability is intended for all levels of conflict and will be reconfigurable to meet specific GCC and JTF mission requirements. This capability is interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.

FY 2025 funding supports development efforts for systems engineering, integration, and DJC2 Test Bed. Focus areas include emerging cyber security technologies and cloud hosting environments.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Systems Engineering & Integration	1.662	1.703	1.557	0.000	1.557
Articles:	-	-	-	-	-
FY 2024 Plans: Continue to expand capabilities of common infrastructure to increase speed to capability through containerization technologies and utilization of Development, Security, and Operations (DevSecOps) in order to rapidly deliver mission tailored applications and cloud based services. Further develop Tier 1 capabilities to support multi-cloud environments and software defined wide area network (SD-WAN) technologies. Initiate evaluation of technologies to support zero trust architecture.					
FY 2025 Base Plans: Expanding capabilities of common infrastructure to increase speed to capability through containerization technologies and utilization of Development, Security, and Operations (DevSecOps) in order to rapidly deliver mission tailored applications and cloud-based services. Developing Tier 1 capabilities to support multi-cloud					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3050 / *Deployable JT Command and Control*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
environments, implementing software defined wide area network (SD-WAN) technologies to increase cyber posture, and continued development of implementation plans for Zero Trust Architecture. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 decrease in the amount of $0.146M reflects a slight reduction in efforts toward the development and the expansion of a common infrastructure for mission tailored applications and cloud-based services.					
Title: DJC2 RDT&E Test Bed	2.031	2.082	1.905	0.000	1.905
Articles:	-	-	-	-	-
FY 2024 Plans: Continue to test technologies that support containerization of applications and services to increase speed to capability. Continue to test and evaluate Tier 1 capabilities to support multi-cloud environments and software defined wide area network (SD-WAN) technologies. ***FY 2025 Base Plans:*** Testing Tier 1 capabilities to support multi-cloud environments and software defined wide area network (SD-WAN) technologies to increase cyber posture. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 decrease of $0.177M reflects a slight reduction in the strategic testing of technologies to support containerization of applications and services, the migration of capabilities to cloud environments and testing multi-cloud environments.					
Accomplishments/Planned Programs Subtotals	3.693	3.785	3.462	0.000	3.462

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
• OPN /2906: *Tactical/ Mobile C4I Systems/DJC2*	2.137	2.203	2.171	-	2.171	2.218	2.258	2.310	2.357	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3050 / *Deployable JT Command and Control*

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

Remarks

Only portion that belongs to DJC2 is reflected in controls. Entire line item includes other programs.

D. Acquisition Strategy

This RDT&E line supports an evolutionary acquisition strategy. The intent of this strategy is to: develop a system based upon a current understanding of joint requirements; rapidly field systems based upon those requirements; analyze operational utilization of the systems; and roll the results of the analysis into periodic upgrades of the systems to maintain currency and maximize operational effectiveness. Efforts include investigation of emerging technologies through study, development, and associated testing for feasibility of program insertion. The baseline configuration is based upon existing Command, Control, Communications, Computers, & Intelligence (C4I) systems, scaled to the Combatant Command level. The follow-on configurations will include newly developed capabilities based on emergent, joint requirements and operational feedback based upon utilization of earlier delivered systems. Ultimately, the goal is to perform quick and affordable integration of emergent transformational Commercial Off the Shelf (COTS) and Government Off the Shelf (GOTS) technologies in support of information warfare and overall efforts required to pace the threat. This is accomplished via technical analysis and engineering efforts associated with implementation of new technology to enable rapid introduction of new products and technology, prevent obsolescence, and end of support issues enhancements via incremental software & hardware upgrades delivered on annual build release.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 3050 / *Deployable JT Command and Control*	

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	WR	NSWC : Panama City, FL	1.044	0.449	Dec 2022	0.454	Dec 2023	0.421	Dec 2024	-		0.421	Continuing	Continuing	Continuing
Hardware/Software Development	C/CPAF	GTRI : Atlanta, GA	1.806	0.781	Dec 2022	0.795	Dec 2023	0.733	Dec 2024	-		0.733	Continuing	Continuing	Continuing
		Subtotal	2.850	1.230		1.249		1.154		-		1.154	Continuing	Continuing	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
Software Integration	WR	NSWC : Panama City, FL	1.005	0.432	Dec 2022	0.454	Dec 2023	0.405	Dec 2024	-		0.405	Continuing	Continuing	Continuing
		Subtotal	1.005	0.432		0.454		0.405		-		0.405	Continuing	Continuing	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	NSWC : Panama City, FL	2.476	1.158	Dec 2022	1.174	Dec 2023	1.083	Dec 2024	-		1.083	Continuing	Continuing	Continuing
Operational Test & Evaluation (OT&E)	WR	NSWC : Panama City, FL	1.404	0.650	Dec 2022	0.681	Dec 2023	0.610	Dec 2024	-		0.610	Continuing	Continuing	Continuing
		Subtotal	3.880	1.808		1.855		1.693		-		1.693	Continuing	Continuing	N/A

Management Services ($ in Millions)

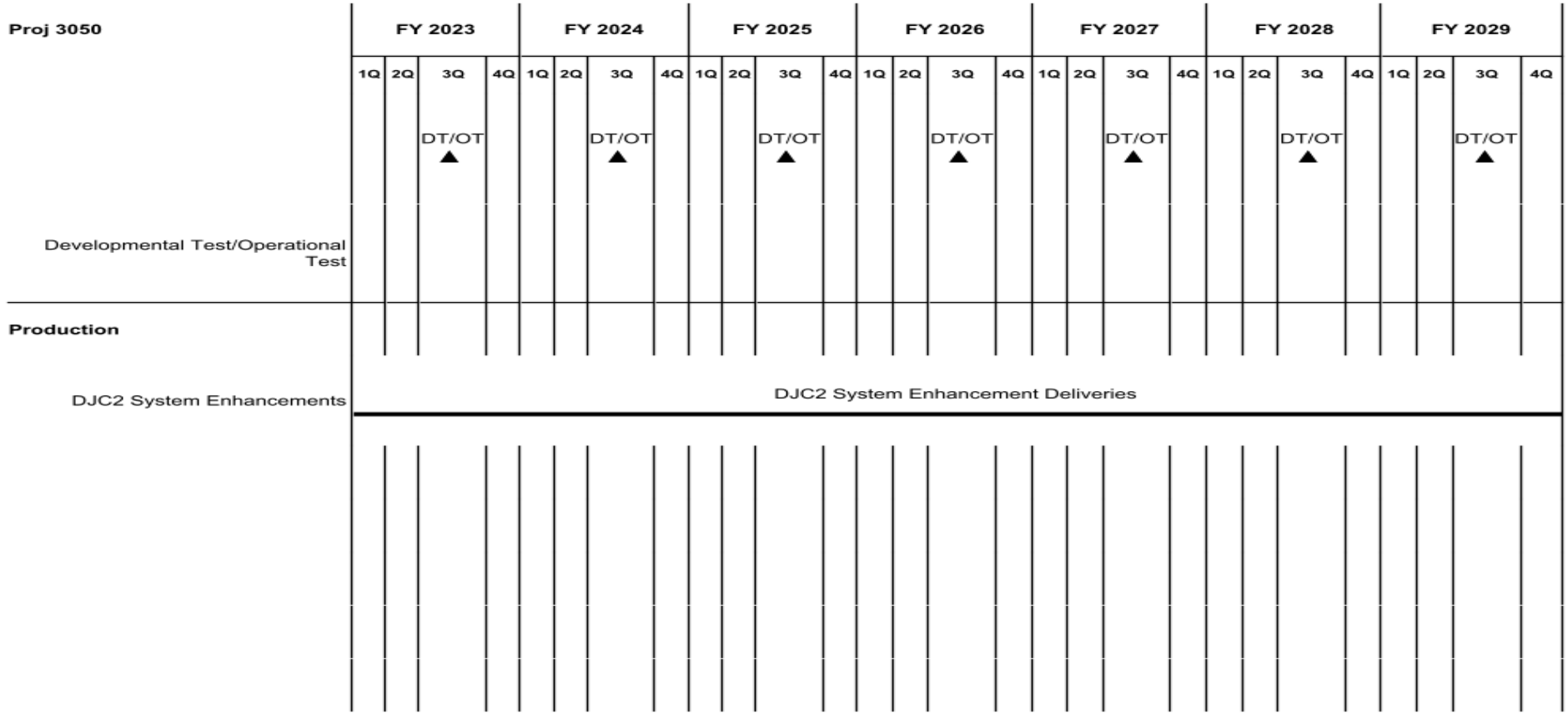
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	WR	NIWC PAC : San Diego, CA	0.473	0.223	Dec 2022	0.227	Dec 2023	0.210	Dec 2024	-		0.210	Continuing	Continuing	Continuing
		Subtotal	0.473	0.223		0.227		0.210		-		0.210	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 3050 / *Deployable JT Command and Control*	

	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	8.208	3.693		3.785		3.462		-		3.462	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3050 / *Deployable JT Command and Control*



2025DON - 0604231N - 3050

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3050 / *Deployable JT Command and Control*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 3050				
Developmental Test/Operational Test FY 2023	3	2023	3	2023
Developmental Test/Operational Test FY 2024	3	2024	3	2024
Developmental Test/Operational Test FY 2025	3	2025	3	2025
Developmental Test/Operational Test FY 2026	3	2026	3	2026
Developmental Test/Operational Test FY 2027	3	2027	3	2027
Developmental Test/Operational Test FY 2028	3	2028	3	2028
Developmental Test/Operational Test FY 2029	3	2029	3	2029
Production: DJC2 System Enhancements: DJC2 System Enhancement Deliveries	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy											Date: March 2024	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*				Project (Number/Name) 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*			
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**
3260: *Naval Operations Business Logistics Enterprise (NOBLE)*	256.266	108.621	62.791	131.062	-	131.062	116.628	64.620	63.023	61.960	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Naval Operational Business Logistics Enterprise (NOBLE) is the logistics information technology family of systems (FoS) comprised of the Naval Operational Supply System (NOSS), the Naval Maintenance, Repair, and Overhaul (N-MRO), and supporting capabilities to include a common platform hosting environment and data exchange solutions, and the Logistics Integrated Data Environment (L-IDE) which supports and aligns readiness data systems to ensure that trusted, critical logistics data is widely available or accessible by mission commanders, warfighters, decision-makers, and mission partners in a real-time, useable, secure, and linked manner to enable analytics, and support broader DoD/DON data efforts.

NOBLE enables combat lethality by generating and sustaining Navy and Marine Corps force readiness for operational commanders afloat and ashore, providing the foundational capability to keep ships driving, planes flying, and weapons firing from an equipment Operational Availability (Ao) perspective. NOBLE is the centerpiece of the Fleet's strategic imperative to improve Sailor, unit and group maintenance self-sufficiency combat operations in a communications and access-denied environment. NOBLE's mission is to provide the Navy and Marine Corps with an integrated, scalable, and cyber-secure capability that supports the management of logistical information, material, and funds required to maintain and operate ships, submarines, and aircraft.

NOBLE FoS will provide direct support to warfighter readiness with maintenance, supply, and financial capabilities, and a federated data environment to enable information integration for decision making in contested environments, and real-time data driven operational and ashore readiness analytics. These capabilities include enhanced situational awareness, planning, execution, personnel administration, and management of maintenance and supply logistics and business functions to ships/ submarines, aviation squadrons, shore operational sites, and expeditionary units with a total user base exceeding 150,000. The NOBLE FoS will support Aviation and Maritime organizational, intermediate, and depot level maintenance activities and facilities with an anticipated Full Operational Capability in Fiscal Year 2030.

The NOBLE architecture will meet current and emerging demands for cyber security, enable Financial Improvement and Audit Readiness (FIAR), drive efficiency into Navy logistics and aviation and maritime maintenance mission requirements, enable analytics, and eliminate over 700 application/database servers.

NOBLE FoS will deploy to the Consolidated Afloat Networks and Enterprise Services (CANES) afloat, Non-CANES platforms, Department of the Navy (DON) commercial cloud computing environments ashore, and US Marine Corps operating environments.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**
Title: Naval Operational Supply System (NOSS)	30.477	11.857	8.485	0.000	8.485

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

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: Complete NOSS material solution analysis (MSA). Commence development and configuration of MSA designated supply solutions to support a NOSS Build 2 Minimum Viable Product (MVP) evaluation in FY25 with other LOG IT capabilities. ***FY 2025 Base Plans:*** Complete NOSS Build 2 development and configuration, integration, testing, training, and site installation activities to support integration with LOG IT capabilities, perform Government IV&V, FMC, and Limited Deployment (LD) UAT efforts at a designated shore site in FY25/26. Commence initial planning, NOSS Build 3 functional enhancements development and configuration, integration with other LOG IT capabilities, testing, training materials, site installation activities, data migration and validation activities to support Government IV&V, FMC, and Limited Deployment (LD) UAT efforts. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** The NOSS acquisition/capability delivery strategy will continue development and configuration of functional capability enhancements leveraging previous Fiscal Year investments, thus resulting in a RDT&E investment which supports completion of the remaining configuration, integration, testing, training, and integration with other LOG IT capabilities.					
Title: Naval Maintenance, Repair, and Overhaul (N-MRO)	78.144	50.934	114.777	0.000	114.777
Articles:	-	-	-	-	-
FY 2024 Plans: Complete N-MRO Build 2 functional enhancements configuration, application integration within the Consolidated Afloat Network Enterprise Services (CANES), the Navy ashore cloud, and the USMC operating environments, obtain a N-MRO Authority to Operate (ATO), integration with multiple legacy systems to improve cyber security to meet threat profiles and interface partners, data migration and validation activities, complete training materials and site installation activities. Complete Government IV&V, Functional Managers Certification (FMC), and operational testing (i.e. User Acceptance Testing (UAT) in support of (1) Aviation squadron, one (1) USMC squadron, and one (1) DDG. Obtain Unclassified Authority to Operate (ATO) for the common platform hosting environment and data exchange solution to support LOG IT deployments. Commence Build 3 planning, and					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
functional enhancements prototyping and configuration, integration, testing, training, and site installation activities. Deliver the common platform hosting environment and data exchange solution to support LOG IT deployments.					
FY 2025 Base Plans: Complete Build 3 functional enhancements prototyping and configuration, integration, testing, training, and site installation activities to support integration with LOG IT capabilities, perform Government IV&V, FMC, and Limited Deployment (LD) UAT efforts in FY25. To support N-MRO delivery velocity, the N-MRO Vendor will plan and synchronize the Build 3 and 4 efforts with the new FY25 Maritime Intermediate and Depot (I/D) Level Maintenance extension and N-MRO Aviation Depot (D) Maintenance extension efforts. The N-MRO Vendor will commence N-MRO Build 4 planning, and functional enhancements related to relevant self-sufficiency improvement enablers needed for the high-end fight, and Carrier/Submarine Nuclear implementation of new/unique functional business processes within the existing N-MRO application. Continuing efforts to leverage the existing N-MRO Build 3 Vendor Team which is responsible for software prototyping and configuration, integration, testing, training and site installation activities to support Government IV&V, FMC, and Limited Deployment (LD) UAT efforts. The N-MRO Vendor will plan and implement the new/unique Maritime I/D and Aviation D functional business processes within the existing N-MRO application derived from the Build 3 / 4 to ensure a singular N-MRO capability is provided across Naval forces. The N-MRO Vendor will add two additional teams (i.e. one for the Maritime I/D requirements, and the second for the Aviation D requirements). Each Team is responsible for overall cost, schedule, and performance, and will be performing agile software prototyping and configuration, integration with the unique LOG IT capabilities required for the end-to-end delivery, developmental testing, training materials, site installation activities, data migration and validation activities to support Government IV&V, FMC, and Limited Deployment (LD) UAT efforts. The Vendor Maritime I/D Team will continue supporting LD UAT at the Naval Regional Maintenance Center (RMC) and Naval Shipyard, while the Vendor Aviation D Team will be supporting LD UATs at the Aviation Fleet Readiness Center. Obtained Classified ATO for the common platform hosting environment and data exchange solution to support LOG IT deployments in FY25.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement:					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Increase of $63.843M in investment required to commence parallel N-MRO Build functional enhancements to address Carrier/Submarine Nuclear Communities, the Maritime Intermediate and Depot Level Maintenance activities, and Aviation Maintenance Depot activities. In FY25 the DON approved the N-MRO solution to include prototyping and configuration, integration, testing, training, and site installation to support targeted Government IV&V, FMC, and LD UAT's in FY25/26 and deliver the common platform hosting environment and data exchange solution to support LOG IT deployments.					
Title: Logistics Integrated Data Environment (L-IDE) ***Articles:*** ***FY 2024 Plans:*** N/A ***FY 2025 Base Plans:*** New Fiscal Year 2025 initiative to complete Phase 1 implementation of the Logistics integrated data environment (L-IDE) which integrates supply, financial, operational/intermediate/depot level aviation and maritime maintenance, and readiness data into a single end-to-end information environment to inform Fleet and Type Commanders decision making in contested environments, and provides real-time data driven operational and ashore reporting metrics. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase in RDT&E investment of $7.8M required to expand implementation of the Logistics integrated data environment (L-IDE) with existing legacy data environments, thus requiring additional adaptation, configuration, integration, testing of the new capability enhancements within the Logistics data ecosystem in support of enhanced information integration for decision making in contested environments, and real-time data driven operational and ashore reporting metrics commencing in FY25.	0.000 -	0.000 -	7.800 -	0.000 -	7.800 -
Accomplishments/Planned Programs Subtotals	108.621	62.791	131.062	0.000	131.062

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

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
• OPN/2611: *Naval Tact Cmd Supt Sys (NTCSS)*	19.038	15.374	13.614	-	13.614	29.891	37.415	39.419	40.205	Continuing	Continuing

Remarks

D. Acquisition Strategy

NOBLE has employed the use of competitive Other Transaction Authority (OTA). Software development/configuration will be comprised of multiple builds to include the ability to utilize mobile computing devices, each with increasing net-centric services capability. NOBLE leverages Commercial Off The Shelf (COTS) software programs. Hardware infrastructure will be provided by CANES, Integrated Shipboard Network System (ISNS), Navy Marine Corps Intranet (NMCI), Next Generation Enterprise Network (NGEN), OneNET (the OCONUS (outside of continental United States) network), and the Department of Navy commercial cloud computing environments, and US Marine Corps environments.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

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
PY Product Development	Various	MISC : MISC	34.604	0.000		0.000		0.000		-		0.000	0.000	34.604	-
NOSS Software Development	MIPR	PEO STRI : Orlando, FL	64.598	22.738	Oct 2022	0.000		0.000		-		0.000	0.000	87.336	-
N-MRO Software Development	MIPR	PEO STRI : Orlando, FL	88.172	72.815	Oct 2022	48.934	Oct 2023	103.276	Oct 2024	-		103.276	Continuing	Continuing	Continuing
NOSS System Engineering	WR	NIWC Atlantic : Norfolk, VA	7.591	2.625	Oct 2022	0.000		0.000		-		0.000	0.000	10.216	-
N-MRO System Engineering	WR	NIWC Atlantic : Norfolk, VA	7.147	1.809	Oct 2022	2.000	Oct 2023	10.000	Oct 2024	-		10.000	Continuing	Continuing	Continuing
NOSS Software Development/Infrastructure	C/CPFF	NAVAIR : Patuxent River, MD	0.000	4.000	Oct 2022	0.000		0.000		-		0.000	0.000	4.000	-
N-MRO Software Development/Infrastructure	C/CPFF	NAVAIR : Patuxent River, MD	3.000	3.300	Oct 2022	0.000		0.000		-		0.000	0.000	6.300	-
L-IDE NAVSEA Software/ Hardware Infrastructure Upgrades	MIPR	NAVSEA : Washington DC	0.000	0.000		0.000		3.200	Oct 2024	-		3.200	Continuing	Continuing	Continuing
L-IDE NAVAIR Software/ Hardware Infrastructure Upgrades	MIPR	NAVAIR : Patuxent River, MD	0.000	0.000		0.000		2.300	Oct 2024	-		2.300	Continuing	Continuing	Continuing
L-IDE NAVSUP Software/ Hardware Infrastructure Upgrades	MIPR	NAVSUP : Mechanisburg PA	0.000	0.000		0.000		2.300	Oct 2024	-		2.300	Continuing	Continuing	Continuing
NOSS Material Solution Analysis (MSA)	MIPR	SETAC : SETAC	0.000	0.000		0.857	Oct 2023	0.000		-		0.000	0.000	0.857	-
NOSS Software Development	Various	TBD : TBD	0.000	0.000		10.000	May 2024	7.916	Oct 2024	-		7.916	0.000	17.916	-
		Subtotal	205.112	107.287		61.791		128.992		-		128.992	Continuing	Continuing	N/A

Remarks

Variance in cost from FY24 to FY25 is due to new development of N-MRO to fulfill Carrier/Submarine Nuclear Communities, the Maritime Intermediate and Depot Level Maintenance activities, and Aviation Maintenance Depot activities functional enhancements. Additionally, to commence implementation of the Logistics integrated data environment (L-IDE) which integrates supply, financial, operational/intermediate/depot level aviation and maritime maintenance, and readiness data into a single end-to-end

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*	

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
information environment to inform Fleet and Type Commanders decision making in contested environments, and provides real-time data driven operational and ashore reporting metrics.															

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
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NAVSEA/NAVAIR : Washington, D.C./ Patuxent River, MD	0.850	0.000		0.000		0.000		-		0.000	0.000	0.850	-
Prior Year Operational Test & Evaluation Not Funded FYDP (PYOT&E)	WR	COTF : Norfolk, VA	0.450	0.000		0.000		0.000		-		0.000	0.000	0.450	-
Developmental Test & Evaluation (DT&E)	WR	NAVAIR : Patuxent River, MD	0.100	0.000	Oct 2022	0.500	Oct 2023	1.200	Oct 2024	-		1.200	Continuing	Continuing	Continuing
Operational Test & Evaluation (OT&E)	WR	COTF : Norfolk, VA	0.500	0.420	Oct 2022	0.500	Oct 2023	0.500	Oct 2024	-		0.500	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NAVSUP : Mechanicsburg, PA	0.900	0.500	Oct 2022	0.000	Oct 2023	0.370	Oct 2024	-		0.370	Continuing	Continuing	Continuing
		Subtotal	2.800	0.920		1.000		2.070		-		2.070	Continuing	Continuing	N/A

Management Services ($ in Millions)

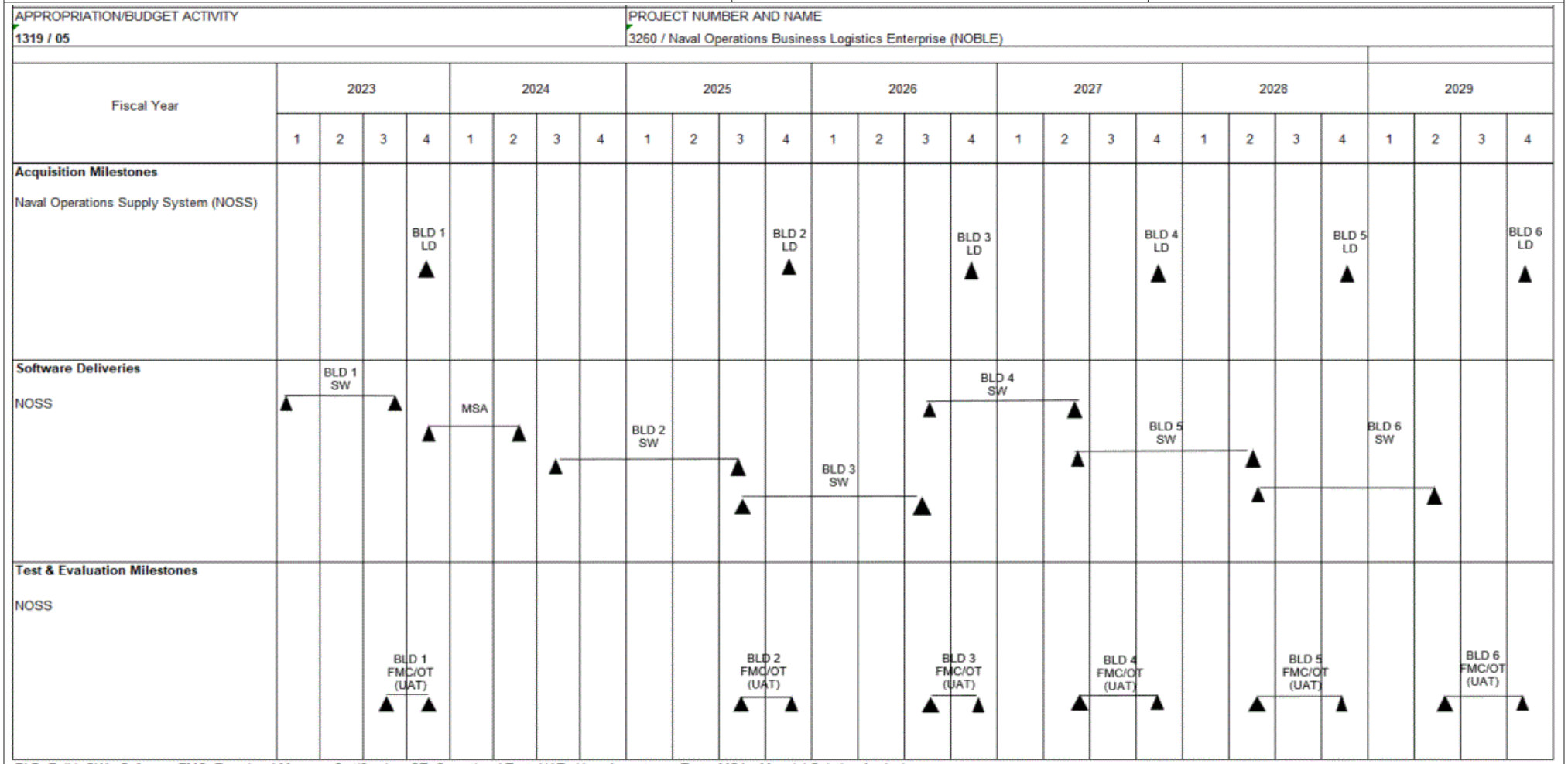
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PY Management Services	Various	MISC : San Diego, CA	39.514	0.000		0.000		0.000		-		0.000	0.000	39.514	-
NOSS System Engineering Support	WR	NIWC Pacific : San Diego, CA	8.840	0.414	Oct 2022	0.000		0.000		-		0.000	0.000	9.254	-
		Subtotal	48.354	0.414		0.000		0.000		-		0.000	0.000	48.768	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*	

	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	256.266	108.621		62.791		131.062		-		131.062	Continuing	Continuing	N/A

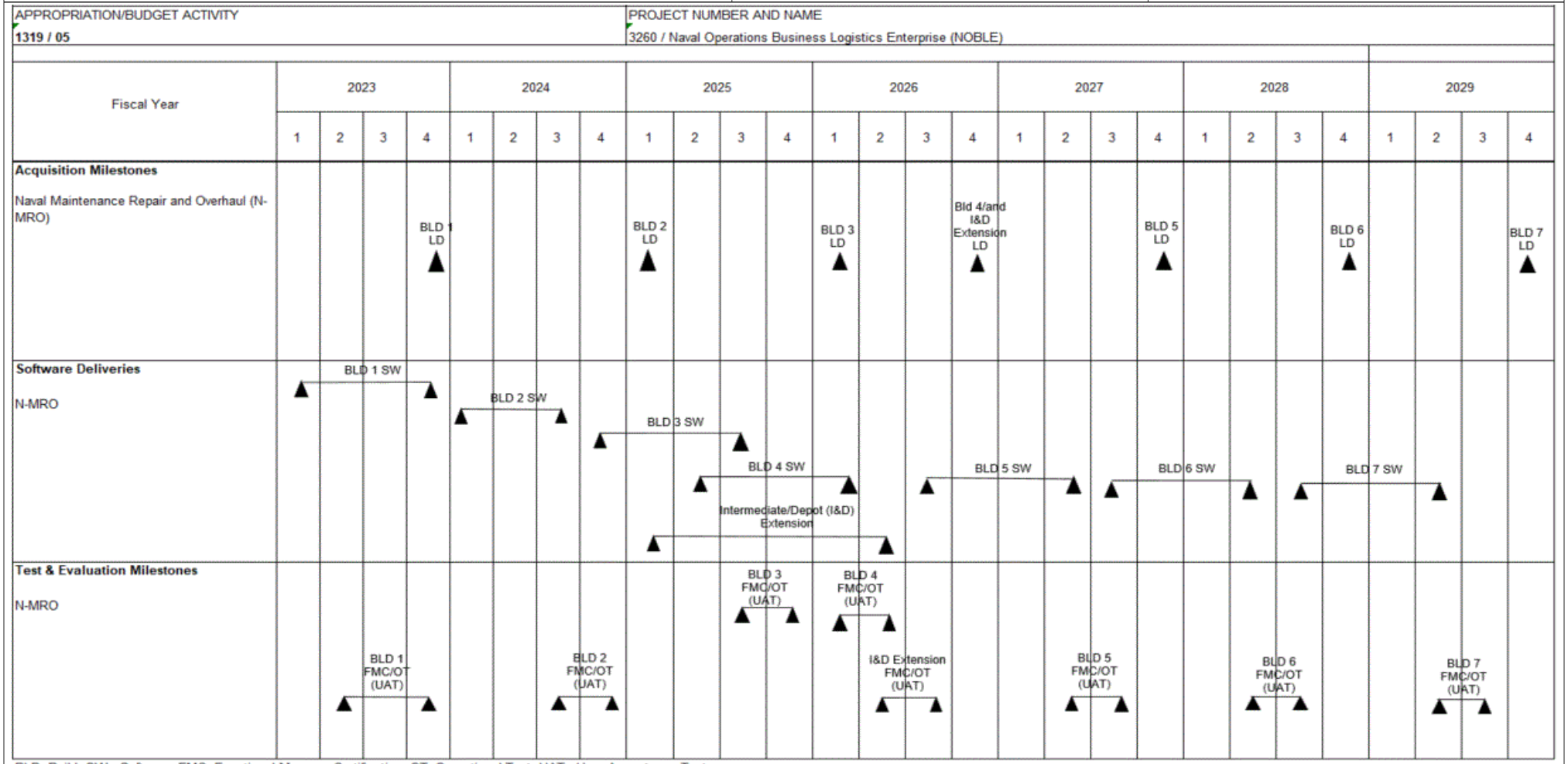
Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*



BLD- Build; SW - Software; FMC- Functional Manager Certification; OT- Operational Test; UAT - User Acceptance Test; MSA - Material Solution Analysis

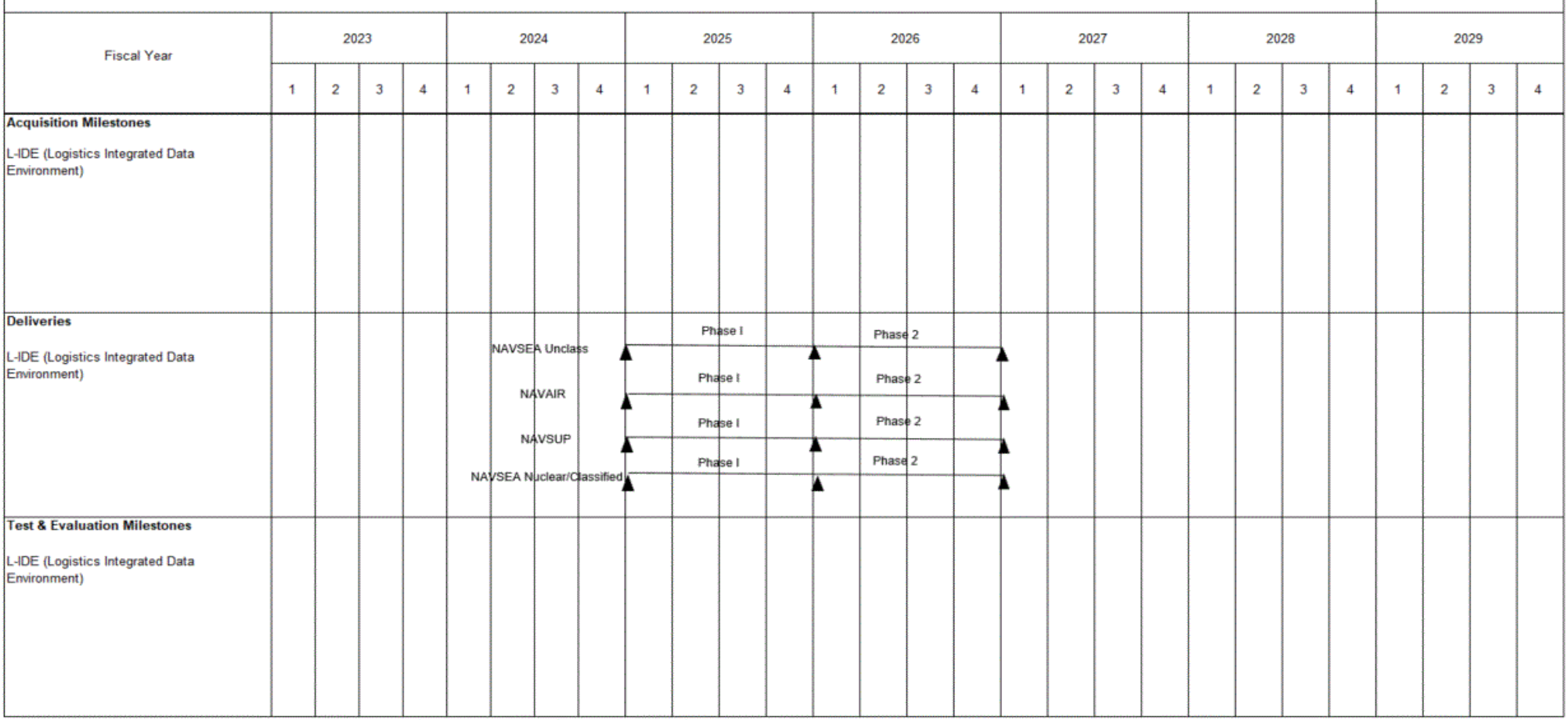
Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*



BLD- Build; SW - Software; FMC- Functional Manager Certification; OT- Operational Test; UAT - User Acceptance Test

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

APPROPRIATION/BUDGET ACTIVITY	PROJECT NUMBER AND NAME
1319 / 05	3260 /Logistics Integrated Data Environment (L-IDE)



BLD- Build; SW - Software; FMC- Functional Manager Certification; OT- Operational Test; UAT - User Acceptance Test

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 3260				
Naval Operational Supply System (NOSS) Build 1 Limited Deployment	4	2023	4	2023
Naval Operational Supply System (NOSS) Build 2 Limited Deployment	4	2025	4	2025
Naval Operational Supply System (NOSS) Build 3 Limited Deployment	4	2026	4	2026
Naval Operational Supply System (NOSS) Build 4 Limited Deployment	4	2027	4	2027
Naval Operational Supply System (NOSS) Build 1 Software Development	1	2023	3	2023
Naval Operational Supply System (NOSS) Build 2 Software Development	3	2024	3	2025
Naval Operational Supply System (NOSS) Build 3 Software Development	3	2025	3	2026
Naval Operational Supply System (NOSS) Build 4 Software Development	3	2026	2	2027
Naval Operational Supply System (NOSS) Build 1 Functional Manager Certification/ Operational Test (User Acceptance Test)	3	2023	4	2023
Naval Operational Supply System (NOSS) Build 2 Functional Manager Certification/ Operational Test (User Acceptance Test)	3	2025	4	2025
Naval Operational Supply System (NOSS) Build 3 Functional Manager Certification/ Operational Test (User Acceptance Test)	3	2026	4	2026
Naval Operational Supply System (NOSS) Build 4 Functional Manager Certification/ Operational Test (User Acceptance Test)	2	2027	4	2027
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 1 Limited Deployment	4	2023	4	2023
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 2 Limited Deployment	1	2025	1	2025
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 3 Limited Deployment	1	2026	1	2026
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 4 / Intermediate & Depot Extension Limited Deployment	4	2026	4	2026
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 1 Software Development	1	2023	4	2023

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 2 Software Development	1	2024	3	2024
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 3 Software Development	4	2024	3	2025
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 4 Software Development	2	2025	1	2026
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 1 Functional Manager Certification/Operational Test (User Acceptance Test)	2	2023	4	2023
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 2 Functional Manager Certification/Operational Test (User Acceptance Test)	3	2024	4	2024
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 3 Functional Manager Certification/Operational Test (User Acceptance Test)	3	2025	4	2025
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 4 Functional Manager Certification/Operational Test (User Acceptance Test)	1	2026	2	2026
NAVSEA Unclass Logistics Integrated Data Environment (L-IDE) Phase 1 Upgrade	1	2025	4	2025
NAVSEA Unclass Logistics Integrated Data Environment (L-IDE) Phase 2 Upgrade	1	2026	4	2026
NAVAIR Logistics Integrated Data Environment (L-IDE) Phase 1 Upgrade	1	2025	4	2025
NAVAIR Logistics Integrated Data Environment (L-IDE) Phase 2 Upgrade	1	2026	4	2026
NAVSUP Logistics Integrated Data Environment (L-IDE) Phase 1 Upgrade	1	2025	4	2025
NAVSUP Logistics Integrated Data Environment (L-IDE) Phase 2 Upgrade	1	2026	4	2026
NAVSEA Nuclear/Classified Logistics Integrated Data Environment (L-IDE) Phase I	1	2025	4	2025
NAVSEA Nuclear/Classified Logistics Integrated Data Environment (L-IDE) Phase 2	1	2026	4	2026
Naval Maintenance, Repair, and Overhaul (N-MRO) Intermediate/Depot Extension Software Development	1	2025	2	2026
Naval Operational Supply System (NOSS) Build 5 Software Development	2	2027	2	2028
Naval Maintenance, Repair, and Overhaul (N-MRO) Intermediate/Depot Extension Functional Manager Certification/Operational Test (User Acceptance Test)	2	2026	3	2026
Naval Operational Supply System (NOSS) Build 5 Functional Manager Certification/ Operational Test (User Acceptance Test)	2	2028	4	2028
Naval Operational Supply System (NOSS) Build 5 Limited Deployment	4	2028	4	2028

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3260 / *Naval Operations Business Logistics Enterprise (NOBLE)*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 5 Software Development	3	2026	2	2027
Naval Operational Supply System (NOSS) Build 6 Software Development	2	2028	2	2029
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 5 Functional Manager Certification/Operational Test (User Acceptance Test)	2	2027	3	2027
Naval Operational Supply System (NOSS) Build 6 Functional Manager Certification/ Operational Test (User Acceptance Test)	2	2029	4	2029
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 5 Limited Deployment	4	2027	4	2027
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 6 Software Development	3	2027	2	2028
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 6 Functional Manager Certification/Operational Test (User Acceptance Test)	2	2028	3	2028
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 6 Limited Deployment	4	2028	4	2028
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 7 Software Development	3	2028	2	2029
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 7 Functional Manager Certification/Operational Test (User Acceptance Test)	2	2029	3	2029
Naval Maintenance, Repair, and Overhaul (N-MRO) Build 7 Limited Deployment	4	2029	4	2029
Naval Operational Supply System (NOSS) Build 6 Limited Deployment	4	2029	4	2029
Naval Operational Supply System (NOSS) Material Solution Analysis	4	2023	2	2024

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy											Date: March 2024	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*				Project (Number/Name) 3324 / *Navy Air Operations Command and Control (NAOC2)*			
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**
3324: *Navy Air Operations Command and Control (NAOC2)*	17.717	0.687	0.803	0.767	-	0.767	0.784	0.799	0.816	0.833	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Navy Air Operations Command and Control (NAOC2): NAOC2 tests and integrates US Air Force program of record systems - Theater Battle Management Core System (TBMCS) and its replacement Kessel Run Applications Kit for Enterprise Navy (KRAKEN) which provides an integrated and scalable planning system for standardized, secure, and automated decision support for Air Force, Joint, and Allied commanders worldwide - to operate in the Navy enterprise network environment such as Consolidated Afloat Networks and Enterprise Services (CANES). These programs provide automated air operations planning, execution management and intelligence capabilities for fleet commanders, Commander Carrier Strike Groups, Commander Expeditionary Strike Groups, Commander Landing Forces, and Joint Task Force Commanders. KRAKEN (when fielded) will provide rapid, agile delivery of capabilities to the fleet by commercial cloud infrastructure using Development, Security, Operations (DevSecOps) cloud native applications. KRAKEN is comprised of multiple tactical software applications that will provide continuous iterate delivery of software to shipboard and shore users. It will also align with the Joint C2 Reference Architecture (JC2RA) such as CANES. KRAKEN is not natively compatible with Navy Information Technology (IT) infrastructure, such as CANES, and requires a significant level of system integration. Continuation of Navy integration and test efforts will significantly enhance the ability of the Joint Force Air Component Commander and Combined Air Operations Center personnel to plan daily air operations including strike, airlift, offensive/defensive air, missile defense, and refueling missions in support of combat operations. Developmental Testing is continuous and operates in parallel with the DevSecOps construct. KRAKEN will be continued for new technology insertion into Navy infrastructure network and hardware in support of Naval Air C2 and Net Enabled Weapons system integration. KRAKEN addresses the requirement of war fighter distributed planning and execution processes along with significantly improving Joint interoperability. TBMCS continues a hardware transition to CANES. Currently, TBMCS is the key system that is used to conduct real world air planning in the Joint and Navy environments. KRAKEN will replace TBMCS while bringing more flexibility to the war fighter.

FY 2025 funding supports KRAKEN integration and development of Kubernetes based containers from the United States Air Force (USAF) into the CANES environment, and the development of the Commander Operational Test & Evaluation Force (COMOPTEVFOR), USAF, and Air Force Operational Test and Evaluation Center (AFOTEC) joint testing and certification. FY 2025 funding also supports writing automated functional evaluation tests to validate Navy requirements and automate the process of integrating the containers to work with the CANES Agile Core Services (ACS) authentication and service mesh architecture.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**
Title: Kessel Run Applications Kit for Enterprise Navy (KRAKEN) Integration and Testing	0.687	0.803	0.767	0.000	0.767
Articles:	-	-	-	-	-
FY 2024 Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3324 / *Navy Air Operations Command and Control (NAOC2)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Continues DevSecOps integration with CANES. Continues working with the USAF Kessel Run (KR) team to incorporate Navy user feedback into future releases of fielded applications. Continues Integration of new KRAKEN containers into the RedHat ACS and participating in joint testing with COMOPTEVFOR, USAF and AFOTEC. ***FY 2025 Base Plans:*** Will continue DevSecOps integration with CANES. Will continue working with the USAF Kessel Run (KR) team to incorporate Navy user feedback into future releases of fielded applications. Will continue Integration of new KRAKEN containers into the RedHat ACS and participating in joint testing with COMOPTEVFOR, USAF and AFOTEC. Will configure the DevSecOps Pipeline to run Static, Dynamic and container scans which are summarized on the continuous reporting dashboard as part of the RAISE 2.0 process. Will begin writing automated functional evaluation tests to validate Navy requirements and automate the process of integrating the containers to work with the CANES ACS authentication and service mesh architecture. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 decrease of $0.036M reflects a slight reduction in strategic efforts toward the development for Kessel Run Applications Kit for Enterprise Navy (KRAKEN).					
Accomplishments/Planned Programs Subtotals	0.687	0.803	0.767	0.000	0.767

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Theater Battle Management Core System (TBMCS) and KRAKEN are designed, developed, and delivered by the Air Force and will be integrated for a Navy Common Computing Environment (CCE) such as Consolidated Afloat Network and Enterprise Services (CANES). As a Joint interest program, this approach satisfies the current validated requirements, supports the accelerated retirement of legacy hardware, and reduces overall risk to the program.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3324 / *Navy Air Operations Command and Control (NAOC2)*	

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/ Training DevelopmentText/ Configuration Management	WR	NIWC Pacific : San Diego, CA	4.117	0.000		0.000		0.000		-		0.000	0.000	4.117	4.117
Integration and Testing	MIPR	CECOM/MITRE : San Diego, CA	0.600	0.000		0.000		0.000		-		0.000	0.000	0.600	0.600
Integration and Testing	WR	NIWC Pacific : San Diego, CA	5.707	0.000		0.000		0.000		-		0.000	0.000	5.707	5.707
NAOC2 Product Development	Various	VARIOUS : VARIOUS	2.512	0.000		0.000		0.000		-		0.000	0.000	2.512	2.512
Systems Engineering/ Training Development/ Configuration Management	WR	NIWC Atlantic : Charleston, SC	0.000	0.435	Nov 2022	0.252	Nov 2023	0.289	Nov 2024	-		0.289	Continuing	Continuing	Continuing
Integration and Testing	WR	NIWC Atlantic : Charleston, SC	0.000	0.184	Nov 2022	0.390	Nov 2023	0.318	Nov 2024	-		0.318	Continuing	Continuing	Continuing
		Subtotal	12.936	0.619		0.642		0.607		-		0.607	Continuing	Continuing	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
Development/ILS Support	WR	VARIOUS : VARIOUS	0.538	0.000		0.000		0.000		-		0.000	0.000	0.538	0.538
		Subtotal	0.538	0.000		0.000		0.000		-		0.000	0.000	0.538	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
Operational Test & Evaluation (OT&E)	WR	COMOPTEVFOR : Norfolk, VA	0.524	0.000		0.000		0.000		-		0.000	0.000	0.524	0.524
Developmental Test & Evaluation (DT&E)	WR	NIWC Pacific : San Diego, CA	2.651	0.000		0.000		0.000		-		0.000	0.000	2.651	2.651

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 3324 / *Navy Air Operations Command and Control (NAOC2)*	

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	NIWC Atlantic : Charleston, SC	0.000	0.068	Nov 2022	0.161	Nov 2023	0.160	Nov 2024	-		0.160	Continuing	Continuing	Continuing
		Subtotal	3.175	0.068		0.161		0.160		-		0.160	Continuing	Continuing	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
Contractor Engineering and Program Management Support	C/CPFF	Various : San Diego, CA	1.068	0.000		0.000		0.000		-		0.000	0.000	1.068	1.068
		Subtotal	1.068	0.000		0.000		0.000		-		0.000	0.000	1.068	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	17.717	0.687		0.803		0.767		-		0.767	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3324 / *Navy Air Operations Command and Control (NAOC2)*

Exhibit R-4, RDT&E Schedule Profile: President's Budget 2025 Navy		Date: December 2023
Appropriation/Budget Activity RDT&E,N 1319 / 05	R-1 Program Element (Number/Name) PE 0604231N / Tactical Command System	Project (Number/Name) 3324/Navy Air Operations Command and Control (NAOC2)

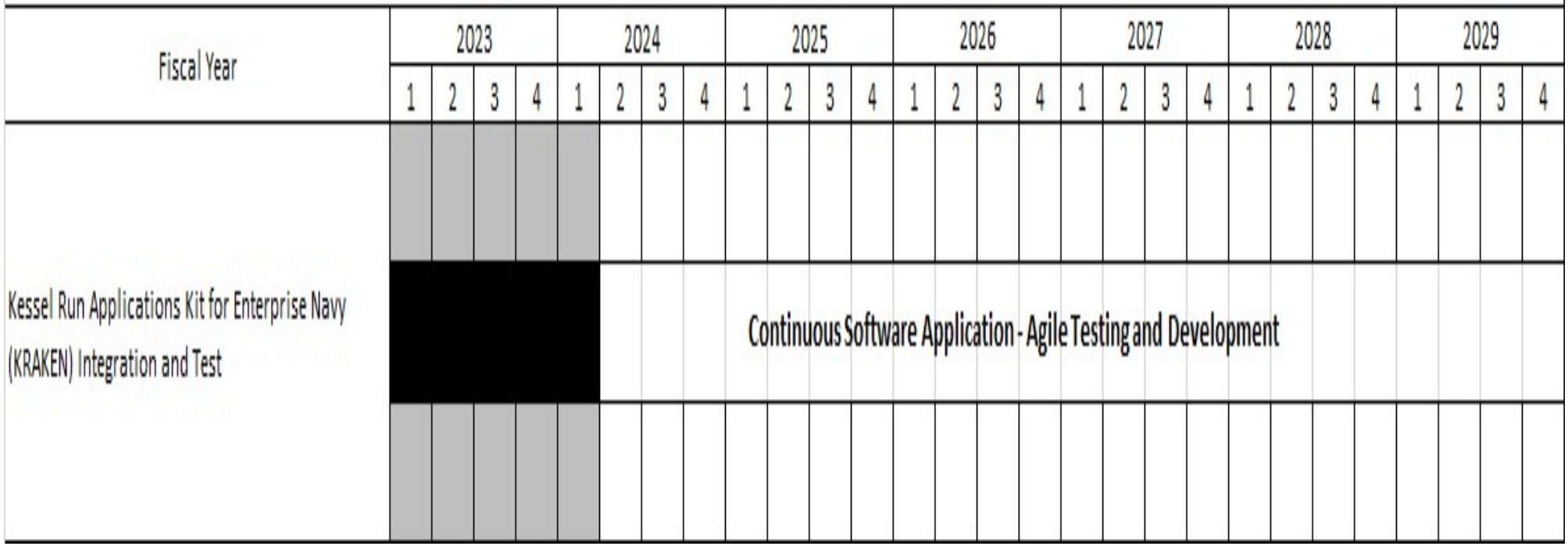


Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 3324 / *Navy Air Operations Command and Control (NAOC2)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 3324				
Kessel Run Applications Kit for Enterprise Navy (KRAKEN) Integration and Test	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy											Date: March 2024	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*				Project (Number/Name) 9123 / *FORCEnet*			
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**
9123: *FORCEnet*	250.349	2.151	0.000	2.309	-	2.309	2.351	2.398	2.446	2.495	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

FORCEnet Funding supports IW Portfolio Health Assessments (PHAs) of Navy mission areas and identifies gaps in Information Warfare (IW) capabilities in the context of assessed mission areas.

Funding supports IW Portfolio Health Assessments (PHAs) of Navy mission areas and identifies gaps in IW capabilities in the context of assessed mission areas. Funding support vignettes, technical baselines, architecture products, and briefings developed to support sponsor decision making processes.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: FORCEnet	2.151	0.000	2.309	0.000	2.309
Articles:	-	-	-	-	-
FY 2024 Plans: N/A					
FY 2025 Base Plans: - Expand upon System of Systems (SoS) mission engineering analyses and ongoing experimentation to iteratively mature the findings and outcomes, while increasing the support to a development of a Limited Operational Capability. - Utilize and study Navy mission areas in support of System of Systems (SoS) engineering assessments identifying integration and interoperability gaps, trades, and solutions for sponsor related equities. Identify Navy mission area gaps in Information Warfare (IW) capabilities to prioritize Science and Technology (S&T) efforts for future budget decisions. Identify critical architectural dependencies that enable mission situational awareness. Package assessments to support sponsor decision-making processes. - Develop required digital architectures and key enablers aligned with ongoing programs. Activities include utilization of Subject Matter Expert teams to research, analyze and evaluate capabilities, gaps, and identification of critical investment opportunities. Deliver Model Based Systems Engineering-based reports and refine and develop necessary Concept of Employment (CONEMP), Concept of Operations (CONOPS), and Tactics, Techniques, and Procedure (TTP) development in coordination with Warfare Development Centers (WDCs) and					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 9123 / *FORCEnet*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
OPNAV, to achieve required military effect. Execute systems engineering and integration efforts across enabler capabilities to deliver interoperable kill chains. - Assess trade space and solutions, ensuring Force level capability and System of Systems (SoS) integration and interoperability across areas of interest to stakeholders including OPNAV N2/N6, N9I, ASN RDA, NAVWAR, NAVIFOR, PEO C4I, PEO DES, and PEO MLB. Maximize utility of analytic products by understanding each stakeholder and their specific needs to provide them with objective, focused, relevant, and useable analysis. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $2.309M reflects Navy's priority to fund Information Warfare (IW) Portfolio Health Assessments (PHAs) of Navy mission areas to identify gaps in Information Warfare capabilities in the context of assessed mission areas.					
Accomplishments/Planned Programs Subtotals	2.151	0.000	2.309	0.000	2.309

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

FORCEnet is a non-acquisition effort that informs and matures Navy decisions, which in turn impacts acquisition programs. Activities include acquiring intellectual capital in emerging technical areas through contracts providing technical engineering expertise and surge capacity for emerging tasks.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 9123 / *FORCEnet*

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
Hardware Development and Systems Engineering	Various	Various : Various	4.331	0.000		0.000		0.000		-		0.000	0.000	4.331	-
		Subtotal	4.331	0.000		0.000		0.000		-		0.000	0.000	4.331	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
Software Development and Logistics Support	Various	Various : Various	136.842	0.000		0.000		0.000		-		0.000	0.000	136.842	-
Information Warfare Roadmaps and Analysis	C/CPFF	Metron : Reston, VA	18.859	1.440	May 2023	0.000		1.547	Dec 2024	-		1.547	Continuing	Continuing	Continuing
Information Warfare Roadmaps and Analysis	WR	NIWC PAC : San Diego, CA	4.713	0.521	May 2023	0.000		0.576	Nov 2024	-		0.576	Continuing	Continuing	Continuing
Information Warfare Roadmaps and Analysis	C/CPFF	BAH : McLean, VA	0.651	0.190	Mar 2023	0.000		0.186	Dec 2024	-		0.186	Continuing	Continuing	Continuing
		Subtotal	161.065	2.151		0.000		2.309		-		2.309	Continuing	Continuing	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)	Various	Various : Various	77.271	0.000		0.000		0.000		-		0.000	0.000	77.271	-
		Subtotal	77.271	0.000		0.000		0.000		-		0.000	0.000	77.271	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604231N / *COMMAND AND CONTROL*	Project (Number/Name) 9123 / *FORCEnet*	

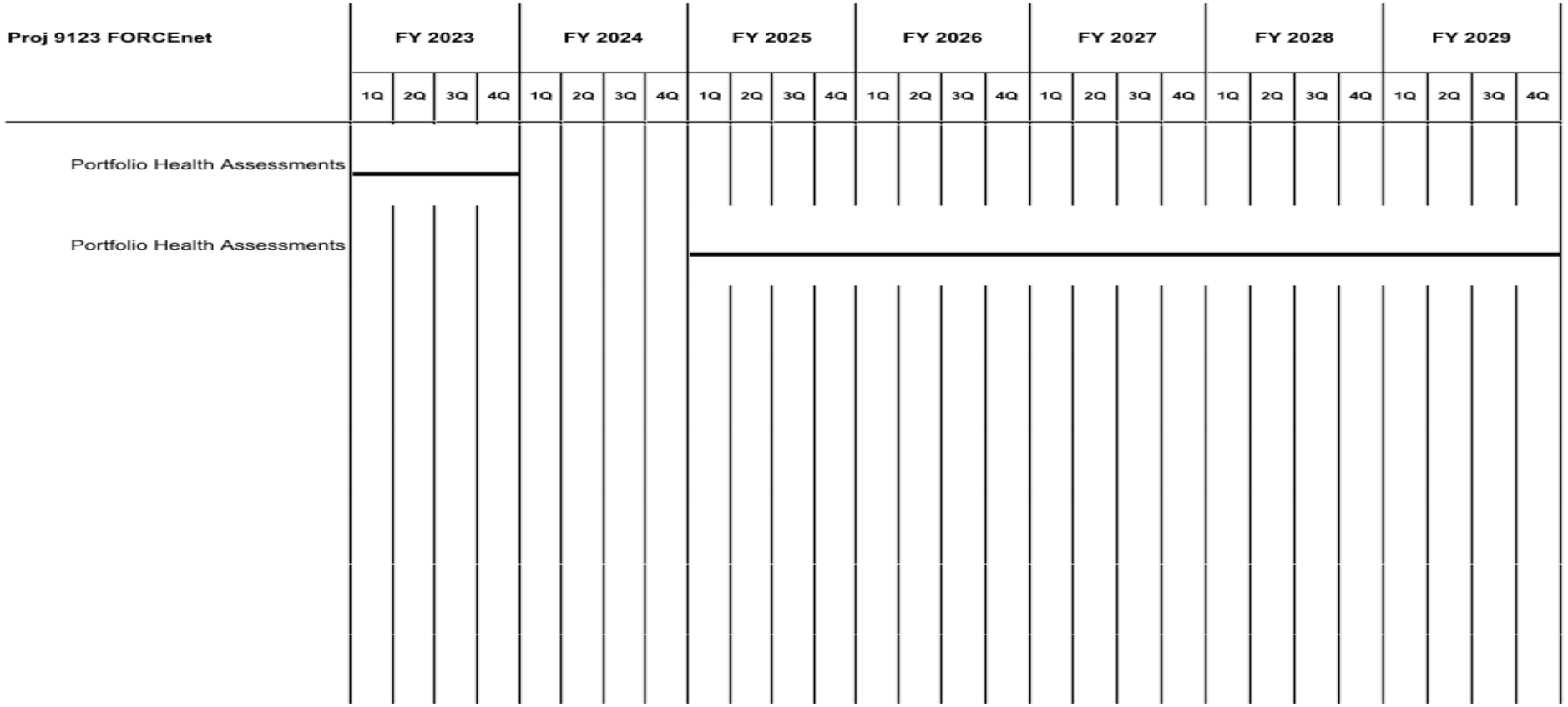
Management Services ($ in Millions)

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
Engineering and Technical Support	Various	Various : Various	7.682	0.000		0.000		0.000		-		0.000	0.000	7.682	-
		Subtotal	7.682	0.000		0.000		0.000		-		0.000	0.000	7.682	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	250.349	2.151		0.000		2.309		-		2.309	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 9123 / *FORCEnet*



2025PB - 0604231N - 9123

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604231N / *COMMAND AND CONTROL*	**Project (Number/Name)** 9123 / *FORCEnet*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 9123 FORCEnet				
Portfolio Health Assessments: Portfolio Health Assessments FY23	1	2023	4	2023
Portfolio Health Assessments: Portfolio Health Assessments	1	2025	4	2029