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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0604230N / <i>Warfare Support System</i>							
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	142.760	16.015	109.485	108.432	-	108.432	17.990	15.576	22.459	22.925	Continuing	Continuing
1130: <i>Expeditionary Loitering Munitions Capability Development</i>	0.000	0.000	93.600	85.946	-	85.946	0.000	0.000	9.300	9.496	Continuing	Continuing
3326: <i>NSW Rapid Capabilities Development for CIEC</i>	66.431	8.038	12.159	16.473	-	16.473	11.655	9.316	9.492	9.687	Continuing	Continuing
3445: <i>Visual Augmentation System Development</i>	1.142	1.179	1.248	1.217	-	1.217	1.245	1.268	1.290	1.317	Continuing	Continuing
3446: <i>Expeditionary sUAS Development</i>	0.244	1.249	0.687	0.877	-	0.877	0.884	0.588	0.600	0.612	Continuing	Continuing
4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>	51.700	0.801	0.849	2.997	-	2.997	3.266	3.448	0.802	0.817	Continuing	Continuing
9999: <i>Congressional Adds</i>	9.647	3.858	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	13.505
9C86: <i>Combatant Craft Replacement</i>	13.596	0.890	0.942	0.922	-	0.922	0.940	0.956	0.975	0.996	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Rapid Capabilities Development (RCD) program supports the Naval Special Warfare (NSW) Branch by identifying and assessing available technologies that confront current and future irregular and expeditionary warfare challenges. Program development efforts focus on the enhancement/advancement of existing technologies to fill urgent and emergent capability gaps for NSW. Program funding provides for the development, integration, testing, validation, combat demonstration, and evaluation of identified technologies to meet operational requirements; service-common and NSW program technology challenges; and technology obsolescence issues of developed capabilities. The RCD program develops expeditionary/operational capabilities that enable NSW forces to conduct joint cross-domain special reconnaissance, counterterrorism, direct action, amphibious and irregular warfare, and fulfill urgent/emergent needs within a 9-36 month timeframe.

As part of the Naval Coastal Warfare Surveillance program, Identity Dominance System (IDS) supports the Joint Personnel Identity (JPI) program. Maritime Expeditionary Security Force (MESF) have a mobile security mission that requires methodologies, procedures, equipment and the communications capacity to identify individuals who represent a potential threat as a means to deter and eliminate individuals from conducting asymmetric/non-traditional attacks upon friendly forces, high value assets and coastal areas that Naval Coastal Warfare (NCW) is charged with protecting. The Visit, Board, Search and Seizure (VBSS) teams conducting Expanded Maritime Interception Operations also have a similar requirement to identify individuals. The development of a device to support identity functions is captured in the IDS Capability Development Document (CDD) and implemented in the IDS Capability Production Document (CPD). IDS units are used in the following environments: aboard ships, ashore at ports, the littorals, and extended inland field environments worldwide. IDS is employed in both maritime and very austere ashore environments,

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<p>carried by individuals who are part of ship boarding parties and by disembarked patrols. These mission and environmental requirements demand the need for a portable, lightweight, ruggedized, and reliable system with intuitive and user friendly features. IDS biometric modalities may differ by mission profile, requiring the authoritative response to the On-Scene Commander/Boarding Officer on whether to detain or further investigate an individual of interest or engage in a more thorough search of boarded ships.</p> <p>Biometrically Enabled Access Control - Husbanding (BEACH) is a two-factor authentication capability to improve identity and authentication assurance for entrance to continental United States (CONUS) and outside continental (OCONUS) Navy-Controlled and non-Navy Controlled ports.</p> <p>The United States Navy Service Common Visual Augmentation Systems (VAS) Program of Record manages, procures, and maintains night vision devices, thermal detection devices, day/night weapons optics, and lasers in support of Navy combat capabilities with regard to the detection, recognition, classification, tracking, and destruction of hostile air and surface forces. The USN VAS Program also manages research into the future of visual augmentation systems and engages with Navy and DoD VAS stakeholders to ensure the Navy maintains competitive advantage over near-peer adversaries.</p> <p>Combatant Craft Replacement will provide next generation Expeditionary Multi Mission Craft that will replace in-service Expeditionary Combatant Craft. Combatant Craft replacements shall forward deploy and persistently engage in order to dominate in the Littorals and reinforce Distributed Maritime Operations Lethality, they gain access to as well as CLEAR the battlespace of unexploded ordnance and other man-made or natural hazards and SECURE and PROTECT critical infrastructure and their approaches from the sea for naval platforms as they conduct operations. These capabilities are critical to Navy employment of modern warfare concepts, including Distributed Maritime Operations (DMO), Expeditionary Advanced Base Operations (EABO), and Littoral Operations in a Contested Environment (LOCE). Specific mission and capabilities will be identified in an Initial Capabilities Document (ICD) or Letter of Requirements. RDT&E funding will fund feasibility studies and procurement of mock-ups and prototype craft and craft and mission support technology to demonstrate capabilities prior to production craft procurement.</p> <p>The Diesel Fuel Outboard Motor Testing project supports the transition of the FY 2015 Rapid Innovation Fund "Affordable Multi-fuel Multi-engine Advanced Combatant Craft" program to the Explosive Ordnance Disposal Force. This technology minimizes the types of fuel required to increase standardization, flexibility, and interoperability during deployment while at the same time reduces total ownership cost. Testing of this technology shall determine the operational viability and any changes required to boat design to ensure safety and suitability.</p> <p>DRAKE is the shipboard Counter-Unmanned Aircraft System (CUAS) to meet the CUAS Afloat Top Level Requirements (TLR). Funds will be used to develop, test, and integrate COTS-based hardware, software, and advanced techniques into DRAKE; thus improving its capability to detect, identify, and defeat UAS that threaten ships. Upgrades include hardware refresh with faster COTS processors to increase processing speed and reaction time (NextGen SDR), a COTS tablet (CDU 2.0) to improve situational awareness, and evaluation of COTS antennas to improve detection and defeat of UAS.</p> <p>The Expeditionary Loitering Munitions Portfolio consists of two Navy loitering munition programs (GOALKEEPER and WHIPLASH) designed to meet an urgent Geographic Combatant Command Requirement. Projects GOALKEEPER (GK) and WHIPLASH (WL) will leverage and continue prior development efforts including an Office of Naval Research (ONR) Innovative Naval Prototype (INP). The Navy is pursuing commercial-off-the-shelf solutions with autonomous government-provided software and a government-provided launcher systems. The systems will be expeditionary and deployable by small teams to support operations in various</p>		

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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604230N / <i>Warfare Support System</i>
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environments. The GK Program has transitioned from funding under the ONR INP and is now executing under the Urgent Acquisition Capability Pathway. The WL Program is currently leveraging funding under the ONR INP to integrate subsystems onto a new mission platform and will be transitioning to this portfolio in FY25.

FY23 \$4M Congressional Add: The NSW Unmanned Vehicle Development project develops, prototypes, tests lowrate production hardware / software solutions for Naval, Special Warfare (NSW) Underwater Unmanned Vehicles (UUV) and host NSW submersibles, improving integration and performance for NSW UUV capability utilizing NSW's MK8 & MK11 SEAL Delivery Vehicles (SDV).

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	16.337	109.485	85.070	-	85.070
Current President's Budget	16.015	109.485	108.432	-	108.432
Total Adjustments	-0.322	0.000	23.362	-	23.362
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.322	0.000			
• Program Adjustments	0.000	0.000	-50.740	-	-50.740
• Rate/Misc Adjustments	0.000	0.000	74.102	-	74.102

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

Congressional Add: *NSW unmanned vehicle development*

Congressional Add Subtotals for Project: 9999

Congressional Add Totals for all Projects

	FY 2023	FY 2024
	3.858	0.000
	3.858	0.000
	3.858	0.000

Change Summary Explanation

FY 2023: *-\$0.322M* Miscellaneous rate adjustment

FY 2024: No adjustments

FY 2025: *+\$2.148M* (PROJ: 4011) for Biometrically Enabled Access Control - Husbanding (BEACH) implementation.

FY 2025: *+\$6.000M* (PROJ: 3226) Cognitive Router Capability Development

FY 2025: *+\$75.000M* (PROJ: 1130) WHIPLASH program development; *-\$53.101M* re-aligned to PANMC to support additional round procurement.

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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 0604230N / Warfare Support System				Project (Number/Name) 1130 / Expeditionary Loitering Munitions 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
1130: Expeditionary Loitering Munitions Capability Development	0.000	0.000	93.600	85.946	-	85.946	0.000	0.000	9.300	9.496	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Project 1130 Expeditionary Loitering Munitions Capability Development (GOALKEEPER) transitioned from PE 0603382N, PU 3423 LOCUST, an Innovative Naval Prototype (INP) under the Office of Naval Research. Project WHIPLASH transitioning to this portfolio in FY25.

A. Mission Description and Budget Item Justification

The Expeditionary Loitering Munitions Portfolio consists of two Navy loitering munition programs (GOALKEEPER and WHIPLASH) designed to meet an urgent Geographic Combatant Command Requirement. Projects GOALKEEPER (GK) and WHIPLASH (WL) will leverage and continue prior development efforts including an Office of Naval Research (ONR) Innovative Naval Prototype (INP). The Navy is pursuing commercial-off-the-shelf solutions with autonomous government-provided software and a government-provided launcher systems. The systems will be expeditionary and deployable by small teams to support operations in various environments. The GK Program has transitioned from funding under the ONR INP and is now executing under the Urgent Acquisition Capability Pathway. The WL Program is currently leveraging funding under the ONR INP to integrate subsystems onto a new mission platform and will be transitioning to this portfolio in FY25.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: PRODUCT DEVELOPMENT	0.000	70.901	62.250	0.000	62.250
Articles:	-	-	-	-	-
Description: The Expeditionary Loitering Munitions Portfolio consists of two Navy loitering munition programs (GOALKEEPER and WHIPLASH) designed to meet an urgent Geographic Combatant Command Requirement. Projects GOALKEEPER (GK) and WHIPLASH (WL) will leverage and continue prior development efforts including an Office of Naval Research (ONR) Innovative Naval Prototype (INP). The Navy is pursuing commercial-off-the-shelf solutions with autonomous government-provided software and a government-provided launcher systems. The systems will be expeditionary and deployable by small teams to support operations in various environments. The GK Program has transitioned from funding under the ONR INP and is now executing under the Urgent Acquisition Capability Pathway. The WL Program is currently leveraging funding under the ONR INP to integrate subsystems onto a new mission platform and will be transitioning to this portfolio in FY25.					
FY 2024 Plans:					

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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604230N / Warfare Support System	Project (Number/Name) 1130 / Expeditionary Loitering Munitions 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
<p>Fabricate All Up Rounds hardware (160 units) for certification, developmental testing, operational testing, and initial production demonstration. Complete software, warhead, launcher, and Automatic Target Recognition (ATR) development. Complete vulnerability analysis. Perform production readiness and supply base assessments, finalize production line standup and non-recurring engineering, complete production technical data packages, system readiness plans, operational training materials, and in-service support plans.</p> <p>FY 2025 Base Plans: Complete GOALKEEPER Spiral 2 software development, testing, operational assessment, and certification for fielding. Initiate WHIPLASH software, warhead, launcher, and Automatic Target Recognition (ATR) development. Update Target vulnerability analysis to include WHIPLASH (WL) munitions. Establish WHIPLASH industry partner for system integration and production. Procure 100 WL All Up Rounds to support operational and environmental testing. Procure test materials to support safety certification.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease in FY 2025 is due to the completion of GOALKEEPER hardware development and initial software development in FY 2024. Follow-on efforts for the GOALKEEPER program will be focused on Spiral 2 software Testing. Remaining FY 2025 funding will support WHIPLASH hardware and software development as well as the procurement of test assets.</p>					
<p>Title: TEST AND EVALUATION</p> <p align="right">Articles:</p> <p>Description: The Expeditionary Loitering Munitions Portfolio consists of two Navy loitering munition programs (GOALKEEPER and WHIPLASH) designed to meet an urgent Geographic Combatant Command Requirement. Projects GOALKEEPER (GK) and WHIPLASH (WL) will leverage and continue prior development efforts including an Office of Naval Research (ONR) Innovative Naval Prototype (INP). The Navy is pursuing commercial-off-the-shelf solutions with autonomous government-provided software and a government-provided launcher systems. The systems will be expeditionary and deployable by small teams to support operations in various environments. The GK Program has transitioned from funding under the ONR INP and is now executing under the Urgent Acquisition Capability Pathway. The WL Program is currently leveraging funding under the ONR INP to integrate subsystems onto a new mission platform and will be transitioning to this portfolio in FY25.</p> <p>FY 2024 Plans:</p>	0.000	15.477	13.650	0.000	13.650
	-	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>Conduct developmental testing, certification testing, operational testing, munitions qualification, and software validation/ verification. Provide test ranges and test support.</p> <p>FY 2025 Base Plans: Conduct GOALKEEPER Spiral 2 software developmental testing, production level testing, and safety certifications for enhanced behaviors and expanded target-type engagements. Provide test ranges and test support. Conduct WHIPLASH initial operational and environmental testing, and safety certification.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease of from FY 2024 to FY 2025 due to completion of GOALKEEPER baseline developmental and operational testing.</p>					
<p>Title: PROGRAM MANAGEMENT</p> <p align="right">Articles:</p> <p>Description: The Expeditionary Loitering Munitions Portfolio consists of two Navy loitering munition programs (GOALKEEPER and WHIPLASH) designed to meet an urgent Geographic Combatant Command Requirement. Projects GOALKEEPER (GK) and WHIPLASH (WL) will leverage and continue prior development efforts including an Office of Naval Research (ONR) Innovative Naval Prototype (INP). The Navy is pursuing commercial-off-the-shelf solutions with autonomous government-provided software and a government-provided launcher systems. The systems will be expeditionary and deployable by small teams to support operations in various environments. The GK Program has transitioned from funding under the ONR INP and is now executing under the Urgent Acquisition Capability Pathway. The WL Program is currently leveraging funding under the ONR INP to integrate subsystems onto a new mission platform and will be transitioning to this portfolio in FY25.</p> <p>FY 2024 Plans: Provide GOALKEEPER program management, acquisition, logistics, and technical oversight of contractor fabrication efforts and production readiness. Review and approve contract deliverables, design products, and manufacturing processes. Provide management of system testing, qualifications, and safety certifications. Manage Government-furnished equipment. Execute contract actions and develop acquisition plans and documentation.</p> <p>FY 2025 Base Plans:</p>	0.000	7.222	10.046	0.000	10.046
	-	-	-	-	-

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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 0604230N / Warfare Support System	Project (Number/Name) 1130 / Expeditionary Loitering Munitions 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
Provide GOALKEEPER program management and technical oversight for test planning, system testing, qualifications, safety certifications, and contract execution. Provide WHIPLASH program management, acquisition, logistics, and technical oversight of contractor development and testing efforts. Review and approve contract deliverables, design products, and manufacturing processes.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: Decrease from FY 2024 to FY 2025 due to transition of GOALKEEPER program efforts from development and testing to production and sustainment following the completion of test events.					
Accomplishments/Planned Programs Subtotals	0.000	93.600	85.946	0.000	85.946

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• PANMC/1776: EXPEDITIONARY LOITERING MUNITIONS	13.000	249.575	588.005	-	588.005	125.000	0.001	0.232	0.237	0.000	976.050

Remarks

Concurrent RD TEN and PANMC funding is due to the completion of operational assessment and initiation of full rate production.

D. Acquisition Strategy

The Expeditionary Loitering Munitions Portfolio consists of two Navy loitering munition programs (GOALKEEPER and WHIPLASH) designed to meet an urgent Geographic Combatant Command Requirement. Expeditionary Loitering Munition programs are using the Urgent Capability Acquisition Pathway (UCAP) to leverage and continue prior development efforts including an Office of Naval Research (ONR) Innovative Naval Prototype (INP), as well as the simultaneous use of RD TEN and PANMC to meet the operational timeline for capability fielding. Concurrent RD TEN and PANMC funding is due to the urgent need to begin production, mitigate supply chain challenges, and stabilize a system baseline design that can be procured while software spiral development, optimized warhead development, and test and evaluation are completed. The system architecture shall be modular and extensible to allow for capability upgrades and periodic technology refresh. The Expeditionary Loitering Munition programs will transition the solution developed under the ONR INP in order to meet the Joint Emergent Operational Need (JEON) fielding timeline. Technical Data Packages are under development to allow for industry competition if these efforts transition into a programs of record.

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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 0604230N / Warfare Support System	Project (Number/Name) 1130 / Expeditionary Loitering Munitions Capability Development
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Automatic Target Recognition	C/CPFF	Aeroenvironment : Simi Valley, CA	0.000	0.000		4.639	Mar 2024	6.500	Mar 2025	-		6.500	Continuing	Continuing	Continuing
Software development	C/CPFF	GTRI : Atlanta, GA	0.000	0.000		12.000	Mar 2024	4.500	Mar 2025	-		4.500	Continuing	Continuing	Continuing
Launcher Design	WR	NSWC Panama City : Panama City, FL	0.000	0.000		6.750	Nov 2023	3.500	Nov 2024	-		3.500	Continuing	Continuing	Continuing
Warhead Development	WR	NSWC IHD : Indian Head, MD	0.000	0.000		2.812	Nov 2023	3.250	Nov 2024	-		3.250	Continuing	Continuing	Continuing
All Up Round Hardware	SS/CPFF	Raytheon : Waltham, MA	0.000	0.000		38.400	Nov 2023	0.000		-		0.000	0.000	38.400	-
Vulnerability Analysis	WR	NSWC Carderock : Bethesda, MD	0.000	0.000		0.000		2.000	Nov 2024	-		2.000	Continuing	Continuing	Continuing
Production Readiness	Various	Raytheon : Waltham, MA	0.000	0.000		6.300	Dec 2023	0.000		-		0.000	Continuing	Continuing	Continuing
Training Development	TBD	Raytheon : Waltham, MA	0.000	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
WL System Integration	TBD	Various : Various	0.000	0.000		0.000		15.000	Jun 2025	-		15.000	Continuing	Continuing	Continuing
WL Test Material	TBD	Various : Various	0.000	0.000		0.000		5.000	Jan 2025	-		5.000	0.000	5.000	-
WL All Up Round Hardware	TBD	Various : Various	0.000	0.000		0.000		22.500	Jan 2025	-		22.500	0.000	22.500	-
Subtotal			0.000	0.000		70.901		62.250		-		62.250	Continuing	Continuing	N/A

Remarks
 Decrease in FY 2025 is due to the completion of GOALKEEPER hardware development and initial software development in FY 2024. Follow on efforts for the GOALKEEPER program will be focused on Spiral 2 software Testing. Remaining FY 2025 funding will support WHIPLASH (WL) hardware and software development and the procurement of 100 WL All Up Rounds to support operational testing.

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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 0604230N / Warfare Support System	Project (Number/Name) 1130 / Expeditionary Loitering Munitions Capability Development
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Operational Test & Evaluation (OT&E)	WR	San Clemente Island : San Clemente Is. CA	0.000	0.000		3.000	Jun 2024	3.000	Jun 2025	-		3.000	0.000	6.000	-
Operational Test & Evaluation (OT&E)	WR	NSWC PCD : Panama City, FL	0.000	0.000		0.785	Nov 2023	0.500	Nov 2024	-		0.500	0.000	1.285	-
Developmental Test & Evaluation (DT&E)	WR	NSWC IHD : Indian Head, MD	0.000	0.000		1.401	Nov 2023	2.000	Nov 2024	-		2.000	0.000	3.401	-
Operational Test & Evaluation (OT&E)	SS/CPFF	Raytheon : Waltham, MA	0.000	0.000		6.728	Nov 2023	0.000		-		0.000	0.000	6.728	-
Operational Test & Evaluation (OT&E)	WR	NSWC DD : Dahlgren, VA	0.000	0.000		1.027	Nov 2023	3.200	Nov 2024	-		3.200	0.000	4.227	-
Operational Test & Evaluation (OT&E)	WR	NSWC IHD : Indian Head, MD	0.000	0.000		2.536	Nov 2023	4.950	Nov 2024	-		4.950	0.000	7.486	-
Subtotal			0.000	0.000		15.477		13.650		-		13.650	0.000	29.127	N/A

Remarks
Decrease of from FY 2024 to FY 2025 due to completion of GOALKEEPER baseline developmental and operational testing.

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management	C/CPFF	Multiple : Multiple	0.000	0.000		7.222	Oct 2023	2.246	Oct 2024	-		2.246	Continuing	Continuing	Continuing
WL Program Management	TBD	Various : Various	0.000	0.000		0.000		7.800	Nov 2024	-		7.800	0.000	7.800	-
Subtotal			0.000	0.000		7.222		10.046		-		10.046	Continuing	Continuing	N/A

Remarks
Decrease from FY 2024 to FY 2025 due to transition of GOALKEEPER program efforts from development and testing to production and sustainment following the completion of test events.

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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 0604230N / Warfare Support System			Project (Number/Name) 1130 / Expeditionary Loitering Munitions Capability Development				
	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	0.000	0.000	93.600		85.946	-	85.946	Continuing	Continuing	N/A	

Remarks
 Schedule on the next page reflects GOALKEEPER and WHIPLASH event timelines required to meet Initial Operating Capability (IOC) and Full Operating Capability (FOC) dates. GOALKEEPER has transitioned from development to test and evaluation as depicted in the schedule. WHIPLASH is currently in development, integrating GOALKEEPER subsystem onto a new mission platform under PE 0603801N, PU 3459 Super Swarm, an Office of Naval Research (ONR) Innovative Naval Prototype (INP), and will be transitioning to the Urgent Acquisition Pathway in FY25 as depicted in the schedule.

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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 0604230N / Warfare Support System	Project (Number/Name) 1130 / Expeditionary Loitering Munitions Capability Development
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	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Proj 1130																												
GK Development																												
ONR INP (PE 0603382N PU 3423)																												
System Transition					ATR, Software, Launcher, and Warhead Integration																							
					Test Round Fabrication																							
													Spiral Technology Development															
									Training Development																			
Test and Evaluation									Operational Assessment																			
													Developmental Test and System Certification															
													Spiral 2 Assessment															
Production Readiness					Production Readiness																							
Production (PANMC LI 1776)									Option Award ▼				Option Award ▼				IOC ▲				Option Award ▼				FOC ▲			
													Production															

2025PB - 0604230N - 1130

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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 0604230N / Warfare Support System	Project (Number/Name) 1130 / Expeditionary Loitering Munitions Capability Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 1130				
GK Development: ONR INP (PE 0603382N PU 3423): ONR INP	1	2023	4	2023
GK Development: System Transition: ATR, Software, Launcher, and Warhead Integration	1	2024	2	2024
GK Development: System Transition: Test Round Fabrication	1	2024	2	2024
GK Development: System Transition: Spiral Technology Development	1	2025	4	2029
GK Development: System Transition: Training Development	1	2024	4	2025
GK Development: Test and Evaluation: Operational Test	3	2024	4	2024
GK Development: Test and Evaluation: Developmental Test	1	2024	4	2025
GK Development: Test and Evaluation: Spiral 2 Operational Test	2	2025	4	2025
GK Development: Test and Evaluation: Spiral 3 Operational Test	3	2026	4	2026
GK Development: Test and Evaluation: Spiral 4 Operational Test	3	2027	4	2027
GK Development: Test and Evaluation: Spiral 5 Operational Test	3	2028	4	2028
GK Development: Test and Evaluation: Spiral 6 Operational Test	3	2029	4	2029
GK Development: Production Readiness: Production Readiness	1	2024	2	2024
GK Development: Production (PANMC LI 1776): Mllestone	1	2026	1	2026
GK Development: Production (PANMC LI 1776): Mllestone2	1	2027	1	2027
GK Development: Production (PANMC LI 1776): Award1	3	2024	3	2024
GK Development: Production (PANMC LI 1776): Award2	3	2025	3	2025
GK Development: Production (PANMC LI 1776): Award3	3	2026	3	2026
GK Development: Production (PANMC LI 1776): Production	2	2024	1	2027
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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 0604230N / Warfare Support System	Project (Number/Name) 1130 / Expeditionary Loitering Munitions Capability Development
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
WL Development: ONR INP (TBD): ONR INP	1	2023	4	2024
WL Development: System Transition: ATR, Software, Launcher, and Warhead Integration	1	2025	2	2025
WL Development: System Transition: Test Round Fabrication	1	2025	2	2025
WL Development: System Transition: Training Development	1	2025	4	2026
WL Development: Test and Evaluation: Operational Test	3	2026	4	2026
WL Development: Test and Evaluation: Developmental Test	1	2025	4	2026
WL Development: Production Readiness: Production Readiness	1	2025	2	2025
WL Development: Production (PANMC LI 1776): Milestone	1	2027	1	2027
WL Development: Production (PANMC LI 1776): Milestone2	1	2028	1	2028
WL Development: Production (PANMC LI 1776): Award1	2	2026	2	2026
WL Development: Production (PANMC LI 1776): Award2	2	2027	2	2027
WL Development: Production (PANMC LI 1776): Production	3	2025	4	2027

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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 0604230N / Warfare Support System				Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC			
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
3326: NSW Rapid Capabilities Development for CIEC	66.431	8.038	12.159	16.473	-	16.473	11.655	9.316	9.492	9.687	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Rapid Capabilities Development (RCD) program supports the Naval Special Warfare (NSW) Branch by identifying and assessing available technologies that confront current and future irregular and expeditionary warfare challenges. Program development efforts focus on the enhancement/advancement of existing technologies to fill urgent and emergent capability gaps for NSW. Program funding provides for the development, integration, testing, validation, combat demonstration, and evaluation of identified technologies to meet operational requirements; service-common and NSW program technology challenges; and technology obsolescence issues of developed capabilities.

The RCD program develops expeditionary/operational capabilities that enable NSW forces to conduct joint cross-domain special reconnaissance, counterterrorism, direct action, amphibious and irregular warfare, and fulfill urgent/emergent needs within a 9-36 month timeframe.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Navy Irregular Warfare	8.038	12.159	16.473	0.000	16.473
Articles:	-	-	-	-	-
FY 2024 Plans: FY 2024 \$12.159M funding will utilize:					
- \$6.00M for Office of Naval Research (ONR) approved FY 2023 Future Naval Capability (FNC): Cognitive Router, designed to provide an artificial intelligence-enabled routing node comprised of acoustic and optical underwater modems, RF radios, and vehicle autonomy instantiated on UUVs to create a robust and clandestine low-latency cross-domain network.					
- \$5.069M for manned/unmanned systems payload development (fiber optic, scalable effects (kinetic/non-kinetic), data security) designed to improve operator situational awareness, tactical maneuver, improved digital security, and lethality on the battlefield; machine learning designed to supplement human decision-making, communications and navigation in denied environments; and integration of these systems aboard NSW undersea and surface mobility assets and systems.					

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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 0604230N / Warfare Support System	Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>-\$1.09M for continuing advancement of FY 2023/2024 prototyping efforts and field evaluation of developing technologies, and Broad Area Announcement, Small Business Innovative Research processes or independent research for the identification of technologies that enhance and/or accelerate expeditionary and irregular capabilities in support of NSW capability challenges.</p> <p>FY 2025 Base Plans: FY 2025 \$16.473M funding will utilize:</p> <p>-\$7.750M for Cognitive Router FNC designed to provide an artificial intelligence-enabled routing node comprised of acoustic and optical underwater modems, RF radios, and vehicle autonomy instantiated on UUVs to create a robust and clandestine low-latency cross-domain network.</p> <p>-\$6.424M for manned/unmanned systems payload development (fiber optic, scalable effects (kinetic/non-kinetic), data security) designed to improve operator situational awareness, tactical maneuver, improved digital security, and lethality on the battlefield; machine learning designed to supplement human decision-making, communications and navigation in denied environments; and integration of these systems aboard NSW undersea and surface mobility assets and systems.</p> <p>-\$2.299M for continuing advancement of FY 2024/2025 prototyping efforts and field evaluation of developing technologies, and Broad Area Announcement, Small Business Innovative Research processes for the identification of technologies that enhance and/or accelerate expeditionary and irregular capabilities in support of NSW capability challenges.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Funding increase from FY 2024 (\$12.159M) to FY 2025 (\$16.473M) is due to support the FY 2023 ONR-approved FNC project Cognitive Router, and development of artificial intelligence, machine learning, and unmanned systems' payloads that enable manned, unmanned teaming concepts of operations.</p>					
Accomplishments/Planned Programs Subtotals	8.038	12.159	16.473	0.000	16.473

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

N/A

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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 0604230N / Warfare Support System	Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC

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

Remarks

D. Acquisition Strategy

Conduct initial validation of component-specific capability gaps. Identify technical requirements necessary to meet immediate and future warfighter needs; integrate existing unique and/or related capabilities that can best meet the identified operational requirements; conduct test and evaluation; and then demonstrate in real time and/or during planned operations within a 9-36 month period. Endeavor to leverage existing mature technologies to take advantage of investments already made to reduce cost and time to market; and seek out cost-sharing opportunities with other resource sponsors to make program funding more effective for the end-user.

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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 0604230N / Warfare Support System				Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC					
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Spt	C/CPFF	Dell : Washington, DC	0.625	0.000		0.000		0.000		-		0.000	0.000	0.625	-
Program Management Spt	C/CPAF	Cydecor : Arlington, VA	0.730	0.695	Nov 2022	0.850	Jan 2024	0.748	Feb 2025	-		0.748	Continuing	Continuing	Continuing
Travel	WR	NAVSEA/HQ : Washington, DC	0.514	0.025	Oct 2022	0.050	Oct 2023	0.075	Oct 2024	-		0.075	Continuing	Continuing	Continuing
Program Management Spt	WR	NAVSEA/HQ : Washington, DC	0.256	0.328	Oct 2022	0.511	Feb 2024	0.800	Apr 2025	-		0.800	0.000	1.895	-
Program Management Spt	WR	NSWC : Crane, IN	0.300	0.000		0.000		0.000		-		0.000	0.000	0.300	-
Program Management Spt	WR	NSWC : Dahlgren, VA	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	-
Program Management Spt	WR	NSWC : Panama City, FL	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	-
Program Management Spt	WR	NSWC : Carderock, MD	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	-
Program Management Spt	WR	NUWC : Newport, RI	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	-
Subtotal			2.625	1.048		1.411		1.623		-		1.623	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	WR	NUWC : Newport, RI	6.959	2.073	Oct 2022	2.900	Nov 2023	4.000	Nov 2024	-		4.000	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NAWC : China Lake, CA	0.595	0.000		0.000		0.000		-		0.000	0.000	0.595	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC : Carderock, MD	2.032	0.000		0.000		0.000		-		0.000	0.000	2.032	Continuing
Developmental Test & Evaluation (DT&E)	SS/CPFF	ARL/UT : Austin, TX	3.227	1.423	Oct 2022	2.220	Dec 2023	3.200	Nov 2024	-		3.200	Continuing	Continuing	Continuing

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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 0604230N / Warfare Support System				Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC							
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	SPAWAR : San Diego, CA	2.450	0.000		0.000		0.000		-		0.000	0.000	2.450	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	SPAWAR : Charleston, SC	1.050	0.000		0.000		0.000		-		0.000	0.000	1.050	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/FFP	ARL/PSU : State College, PA	1.540	0.000		0.000		0.000		-		0.000	0.000	1.540	Continuing
Developmental Test & Evaluation (DT&E)	WR	NRL : Washington, DC	2.858	1.155	Oct 2022	1.300	Nov 2023	2.250	Dec 2024	-		2.250	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC : Indian Head, MD	1.862	0.000		0.000		0.000		-		0.000	0.000	1.862	Continuing
Developmental Test & Evaluation (DT&E)	Various	Various : Various	2.447	0.000		0.258	Jan 2024	0.800	Nov 2024	-		0.800	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC : Panama City, FL	0.725	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	NSWC : Dahlgren, VA	3.090	0.000		0.000		0.000		-		0.000	0.000	3.090	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	APL/JHU : Laurel, MD	0.327	0.000		0.000		0.000		-		0.000	0.000	0.327	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	Army Research Lab. : Adelphi, MD	0.247	0.000		0.000		0.000		-		0.000	0.000	0.247	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	PNNL : Richland, WA	0.130	0.000		0.000		0.000		-		0.000	0.000	0.130	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	Georgia Tech : Atlanta, GA	1.634	0.000		0.000		0.000		-		0.000	0.000	1.634	-

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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 0604230N / Warfare Support System	Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	Charles River : Cambridge, MA	0.521	0.000		0.000		0.000		-		0.000	0.000	0.521	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	L3 Comm : Burlington, MA	0.972	0.000		0.000		0.000		-		0.000	0.000	0.972	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	QinetiQ NA : Waltham, MA	0.704	0.000		0.000		0.000		-		0.000	0.000	0.704	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NAVAIR : Patuxent, MD	1.335	0.000		0.000		0.000		-		0.000	0.000	1.335	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	Strategos Consulting : Coronado, Ca	0.178	0.000		0.000		0.000		-		0.000	0.000	0.178	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NAVAIR : San Diego, CA	0.425	0.000		0.000		0.000		-		0.000	0.000	0.425	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	NSMA : Wash, DC	3.069	0.000		0.000		0.000		-		0.000	0.000	3.069	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	Advanced Systems : Manassas, VA	0.150	0.000		0.000		0.000		-		0.000	0.000	0.150	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	NAVSEA : Washington, DC	3.260	0.000		0.000		0.000		-		0.000	0.000	3.260	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC : Crane, IN	1.227	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Reqn	ANL : Chicago, IL	0.114	0.000		0.000		0.000		-		0.000	0.000	0.114	-

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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 0604230N / Warfare Support System	Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NUWC : Keyport, RI	0.348	0.000		0.000		0.000		-		0.000	0.000	0.348	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	General Atomics : San Diego, CA	1.923	0.000		0.000		0.000		-		0.000	0.000	1.923	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	ASSETT : Manassas, VA	1.032	0.000		0.000		0.000		-		0.000	0.000	1.032	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	Battelle : Columbus, OH	1.869	0.000		0.000		0.000		-		0.000	0.000	1.869	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	WHOI : Woods Hole, MA	1.437	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	Boeing : Seattle, WA	0.300	0.000		0.000		0.000		-		0.000	0.000	0.300	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	AeroVironment : Monrovia, CA	0.525	0.000		0.000		0.000		-		0.000	0.000	0.525	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	Northrup Grumman : Falls Church, VA	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	IN POWER : Morrisville, NC	0.292	0.000		0.000		0.000		-		0.000	0.000	0.292	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Panama City, FL	1.806	0.272	Jun 2023	0.550	Nov 2023	1.200	Dec 2024	-		1.200	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC : Corona, CA	0.133	0.000		0.000		0.000		-		0.000	0.000	0.133	-

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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 0604230N / Warfare Support System	Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	MIPR	Army : Ft Belvoir Va	1.295	0.050	Jan 2023	0.075	Jan 2024	0.100	Mar 2025	-		0.100	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Reqn	NPS : Dayton OH	1.400	0.000		0.000		0.000		-		0.000	0.000	1.400	-
Developmental Test & Evaluation (DT&E)	MIPR	DTIC : FT Belvoir Va	2.302	0.923	Oct 2022	0.687	Feb 2024	1.800	Apr 2025	-		1.800	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	MIPR	DLA : Ft Belvoir Va	3.209	1.094	Oct 2022	1.400	Mar 2024	1.500	Feb 2025	-		1.500	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	MIPR	WPAB : Wright Patterson, OH	0.607	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	SS/CPFF	Paragon Space : Tucson, AZ	0.200	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC Crane : Crane, IN	1.341	0.000		0.000		0.000		-		0.000	0.000	1.341	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPAF	DTIC : FT Belvoir, VA	0.659	0.000		0.000		0.000		-		0.000	0.000	0.659	-
Developmental Test & Evaluation (DT&E)	SS/CPFF	ARL/UH : Honolulu, HI	0.000	0.000		1.358	Feb 2024	0.000		-		0.000	0.000	1.358	-
Subtotal			63.806	6.990		10.748		14.850		-		14.850	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	66.431	8.038	12.159	16.473	-	16.473	Continuing	Continuing	N/A

Remarks

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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 0604230N / Warfare Support System	Project (Number/Name) 3326 / NSW Rapid Capabilities Development for CIEC
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Proj 3326	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
System Development	Technology Assessments/Demonstrations																											
Test and Evaluations																												

2025DON - 0604230N - 3326

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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 0604230N / <i>Warfare Support System</i>	Project (Number/Name) 3326 / <i>NSW Rapid Capabilities Development for CIEC</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3326				
System Development: Technology Assessments/Demonstrations	1	2023	4	2029
System Development: Test and Evaluations	1	2023	4	2029

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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 0604230N / Warfare Support System				Project (Number/Name) 3445 / Visual Augmentation System 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
3445: Visual Augmentation System Development	1.142	1.179	1.248	1.217	-	1.217	1.245	1.268	1.290	1.317	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The United States Navy Service Common Visual Augmentation Systems (VAS) Program of Record manages, procures, and maintains night vision devices, thermal detection devices, day/night weapons optics, and lasers in support of Navy combat capabilities with regard to the detection, recognition, classification, tracking, and destruction of hostile air and surface forces. The USN VAS Program also manages research into the future of visual augmentation systems and engages with Navy and DoD VAS stakeholders to ensure the Navy maintains competitive advantage over near-peer adversaries.

Research, Development, Test and Evaluation, Navy funding provides the United States Navy Service Common Visual Augmentation Systems (VAS) Program of Record with the ability to maintain competitive advantage over the nation's near peer adversaries by leveraging the military research community, other DoD VAS programs, academia and commercial industry in order to transition mature technologies (active, passive, multi-domain imaging sensors, laser systems, display systems, optics, image processing) that align with US Navy and DoD priorities.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Visual Augmentation Systems	1.179	1.248	1.217	0.000	1.217
Articles:	-	-	-	-	-
FY 2024 Plans:					
VAS RDT&E efforts to continue to address the following DoN VAS Capability gaps in addition to continue to monitor/determine inventory for potential future capability gaps:					
Long Range Night Vision Sight for Ship's Navigation					
Laser Family of Systems / Ranging and Designators					
Thermal Family of Systems					
Small Arms Collimator					
Future Capability Assessment					
FY 2025 Base Plans:					
VAS RDT&E funding continues to address and modernize the following efforts:					
Long Range Night Vision Device (LRNVD; SU-255) for Naval Ship's Navigation					
Laser & Thermal Family of Systems (FoS)					

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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 0604230N / Warfare Support System	Project (Number/Name) 3445 / Visual Augmentation System Development

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Technical Direction Agent Tasking/Program Management: Identifying and Assessing Future VAS Capabilities					
<i>FY 2025 OCO Plans:</i> N/A					
<i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> Decrease of 0.031 will result in a decrease in Technical Direction Agent Tasking.					
Accomplishments/Planned Programs Subtotals	1.179	1.248	1.217	0.000	1.217

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPN/8128: NCW Forces Active	107.372	108.901	129.484	-	129.484	126.119	126.502	127.257	130.022	Continuing	Continuing

Remarks

D. Acquisition Strategy
DoN VAS Service Common VAS RDT&E efforts to support modernization/standardization of VAS equipment and address DoN VAS capability gaps and legacy/obsolescence projections to fill in any further capability gaps.

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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 0604230N / Warfare Support System	Project (Number/Name) 3445 / Visual Augmentation System Development
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC Crane : Crane, IN	0.210	0.000		0.000		0.000		-		0.000	0.000	0.210	-
Developmental Test & Evaluation (DT&E)	WR	NSWC Crane : Crane, IN	0.059	0.566	Jan 2023	0.312	Nov 2023	0.050	Nov 2024	-		0.050	0.000	0.987	-
Operational Test & Evaluation (OT&E)	WR	NSWC Crane : Crane, IN	0.000	0.025	Jan 2023	0.000	Sep 2024	0.050	Nov 2024	-		0.050	0.000	0.075	-
Subtotal			0.269	0.591		0.312		0.100		-		0.100	0.000	1.272	N/A

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management	WR	NSWC Crane : Crane, IN	0.108	0.005	Nov 2022	0.121	Nov 2023	0.135	Nov 2024	-		0.135	Continuing	Continuing	Continuing
Flight Well Deck Crew Binocular Night Vision	WR	NSWC Crane : Crane, IN	0.148	0.032	Nov 2022	0.000		0.000		-		0.000	0.000	0.180	-
Long Range Night Vision Sight for Ship's Navigation	WR	NSWC Crane : Crane, IN	0.169	0.076	Nov 2022	0.058	Sep 2024	0.600	Nov 2024	-		0.600	0.000	0.903	-
Ranging Device	WR	NSWC Crane : Crane, IN	0.214	0.076	Nov 2022	0.000		0.000		-		0.000	0.000	0.290	-
Laser Designator Option	WR	NSWC Crane : Crane, IN	0.000	0.075	Nov 2022	0.000		0.000		-		0.000	0.000	0.075	-
Thermal Family of Systems	WR	NSWC Crane : Crane, IN	0.000	0.197	Nov 2022	0.080	Sep 2024	0.105	Nov 2024	-		0.105	0.000	0.382	-
Small Arms Collimator	WR	NSWC Crane : Crane, IN	0.000	0.057	Nov 2022	0.156	Sep 2024	0.000		-		0.000	0.000	0.213	-
Future Capability	WR	NSWC Crane : Crane, IN	0.000	0.070	Nov 2022	0.241	Sep 2024	0.000		-		0.000	0.000	0.311	-
TDA Review VAS Portfolio	WR	NSWC Crane : Crane, IN	0.181	0.000		0.000		0.172	Nov 2024	-		0.172	0.000	0.353	-

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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 0604230N / Warfare Support System	Project (Number/Name) 3445 / Visual Augmentation System Development
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Proj 3445	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
System Development	Long Range Night Vision Sight for Ship's Navigation																															
	Laser Designator Option																															
	Thermal Family of Systems																															

2025DON - 0604230N - 3445

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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 0604230N / <i>Warfare Support System</i>	Project (Number/Name) 3445 / <i>Visual Augmentation System Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3445				
System Development: Long Range Night Vision Sight for Ship's Navigation	1	2023	4	2029
System Development: Laser Designator Option	1	2023	4	2029
System Development: Thermal Family of Systems	1	2023	4	2029

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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 0604230N / Warfare Support System				Project (Number/Name) 3446 / Expeditionary sUAS 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
3446: Expeditionary sUAS Development	0.244	1.249	0.687	0.877	-	0.877	0.884	0.588	0.600	0.612	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Navy Family of Small Unmanned Aircraft Systems (FoSUAS) program supports Naval Special Warfare (NSW), Navy Expeditionary Combat Command (NECC), Expeditionary Exploitation Unit ONE (EXU-1), Naval School Explosive Ordnance Disposal (NAVSCOLEOD), and Naval Small Craft Instruction and Technical Training School (NAVSCIATTS). The program procures existing and emerging technologies (including enhancement kits/payloads) in Fixed Wing (FW) and Vertical Take Off and Landing (VTOL) solution sets for core mission requirements and are critical in providing force protection, reconnaissance and surveillance, and repair of battle-damaged facilities and other infrastructure. FoSUAS includes Short Range/Short Endurance (SR/SE) and Medium Range/ Medium Endurance (MR/ME) categories of Small Unmanned Aircraft Systems (SUAS) with each category tailored toward specific mission needs/profiles. As such, a mix of Type/Model/Series (T/M/S) SUAS makes up the FoSUAS Program of Record (POR) as addressed in the Navy's FoSUAS Top Level Requirement (TLR) document.

In addition to supporting the requirements in the Rucksack Portable Unmanned Aircraft Vehicle (RPUAV) Operational Requirements Document (ORD) and Navy FoSUAS TLR, RDTE funding for the FoSUAS program conducts activities including, but not be limited to, engineering analysis of commercial systems, operational assessments, Field User Evaluations (FUEs), support of Urgent Universal Needs Statements (UUNS), cyber/IA assessments, development of SUAS Reusable Architectures (SRA) and other efforts to inform future Navy systems procurements.

FY24 to FY25 increase due to movement of cost share from corollary USMC program and transition of SRA to implementation and updates phase. Additionally, increase includes Information Assurance, Cyber and Engineering Analysis validation efforts (Interim Flight Clearances (IFC), Authority To Operate (ATO), Cyber Testing) of system configuration modifications/upgrades.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Product Development	0.000	0.163	0.330	0.000	0.330
Articles:	-	-	-	-	-
FY 2024 Plans:					
- SRA Development.					
FY 2025 Base Plans:					
- Implementation of SRA efforts for FoSUAS platforms.					
- Continue design of engineering solutions for mandatory SUAS cyber security assessments for all SUAS systems/components.					

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy	Date: March 2024
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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604230N / Warfare Support System	Project (Number/Name) 3446 / Expeditionary sUAS Development
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>- Perform analysis on system interoperability and modularity.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: FY 2024 to FY 2025 increase due transition of SRA to implementation and updates phase.</p>					
<p>Title: Support</p> <p align="right">Articles:</p> <p>FY 2024 Plans:</p> <ul style="list-style-type: none"> - Conduct engineering analysis of commercial systems. - Conduct market research and facilitate technical demonstrations of emerging technology. - Complete initial (on new components) and mandatory recurring engineering assessments including, but not be limited to, cyber security, air worthiness, flight clearances, authority to operate, and battery certification of FoSUAS. <p>FY 2025 Base Plans:</p> <ul style="list-style-type: none"> - Research in relevant technical areas where SRA refinement and modernization is required. - Conduct engineering analysis of commercial systems. - Conduct market research to inform future technology demonstrations. - Complete initial (on new components) and mandatory recurring engineering assessments including, but not be limited to, cyber security, air worthiness, flight clearances, authority to operate, and battery certification of FoSUAS. <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: FY 2024 to FY 2025 decrease due reduced organic labor requirements.</p>	0.000	0.247	0.204	0.000	0.204
	-	-	-	-	-
<p>Title: Test and Evaluation</p> <p align="right">Articles:</p> <p>FY 2024 Plans:</p> <ul style="list-style-type: none"> - Continued integration, operational assessment, and implementation of SRA for FoSUAS platforms. - Assessment via technology demonstrations, field user evaluations, lab analysis/testing, and market research of low cost, commercially available UAS to inform future procurements. 	1.249	0.277	0.343	0.000	0.343
	-	-	-	-	-

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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 0604230N / Warfare Support System	Project (Number/Name) 3446 / Expeditionary sUAS Development

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Assessment of UAS, software applications, payload/sensor capabilities, and other UAS ancillary components. FY 2025 Base Plans: - Implementation and evaluation of SRA for FoSUAS platforms. - Continue assessment of low cost, commercially available UAS to inform future procurements, and determine potential via field user evaluations, lab analysis/testing, and market research of low cost, commercially available UAS to inform future procurements. - Perform NDAA sections 817 (FY 2023) and 848 (FY 2020) Compliance testing on systems. - Assessment of UAS, software applications, payload/sensor capabilities, and other UAS ancillary components. - Research into integration of a Cross Domain Solution (CDS). FY 2025 OCO Plans: N/A FY 2024 to FY 2025 Increase/Decrease Statement: FY 2024 to FY 2025 increase due to increased validation efforts for Interim Flight Clearances (IFC), Authority To Operate (ATO) and Cyber Testing of system configuration modifications/upgrades.					
Accomplishments/Planned Programs Subtotals	1.249	0.687	0.877	0.000	0.877

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

N/A

Remarks

D. Acquisition Strategy

The program office is pursuing an acquisition approach to quickly field new technology and capabilities to the warfighter. The acquisition strategy is to conduct iterative reviews of emerging SUAS technology and to leverage incremental developments of commercial SUAS in coordination with OPNAV, NSW, NECC, and other Navy activities in order to satisfy validated FoSUAS requirements.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
1319 / 5				PE 0604230N / Warfare Support System				3446 / Expeditionary sUAS Development							
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SRA Analysis and Integration	WR	VARIOUS : VARIOUS	0.050	0.274	Jun 2023	0.163	Jan 2024	0.330	Dec 2024	-		0.330	Continuing	Continuing	Continuing
Subtotal			0.050	0.274		0.163		0.330		-		0.330	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Commercial UAS Analysis/ Cyber Security/IA	WR	NAWCAD : PAX RIVER, MD	0.075	0.176	Mar 2023	0.124	Mar 2024	0.150	Jan 2025	-		0.150	Continuing	Continuing	Continuing
Engineering Analysis	WR	NAWCAD : PAX RIVER, MD	0.020	0.199	Mar 2023	0.123	Nov 2023	0.054	Oct 2024	-		0.054	Continuing	Continuing	Continuing
Subtotal			0.095	0.375		0.247		0.204		-		0.204	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	WR	VARIOUS : VARIOUS	0.099	0.600	Jan 2023	0.277	Jan 2024	0.343	Nov 2024	-		0.343	Continuing	Continuing	Continuing
Subtotal			0.099	0.600		0.277		0.343		-		0.343	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			0.244	1.249	0.687	0.877	-	0.877	Continuing	Continuing	N/A				
Remarks															

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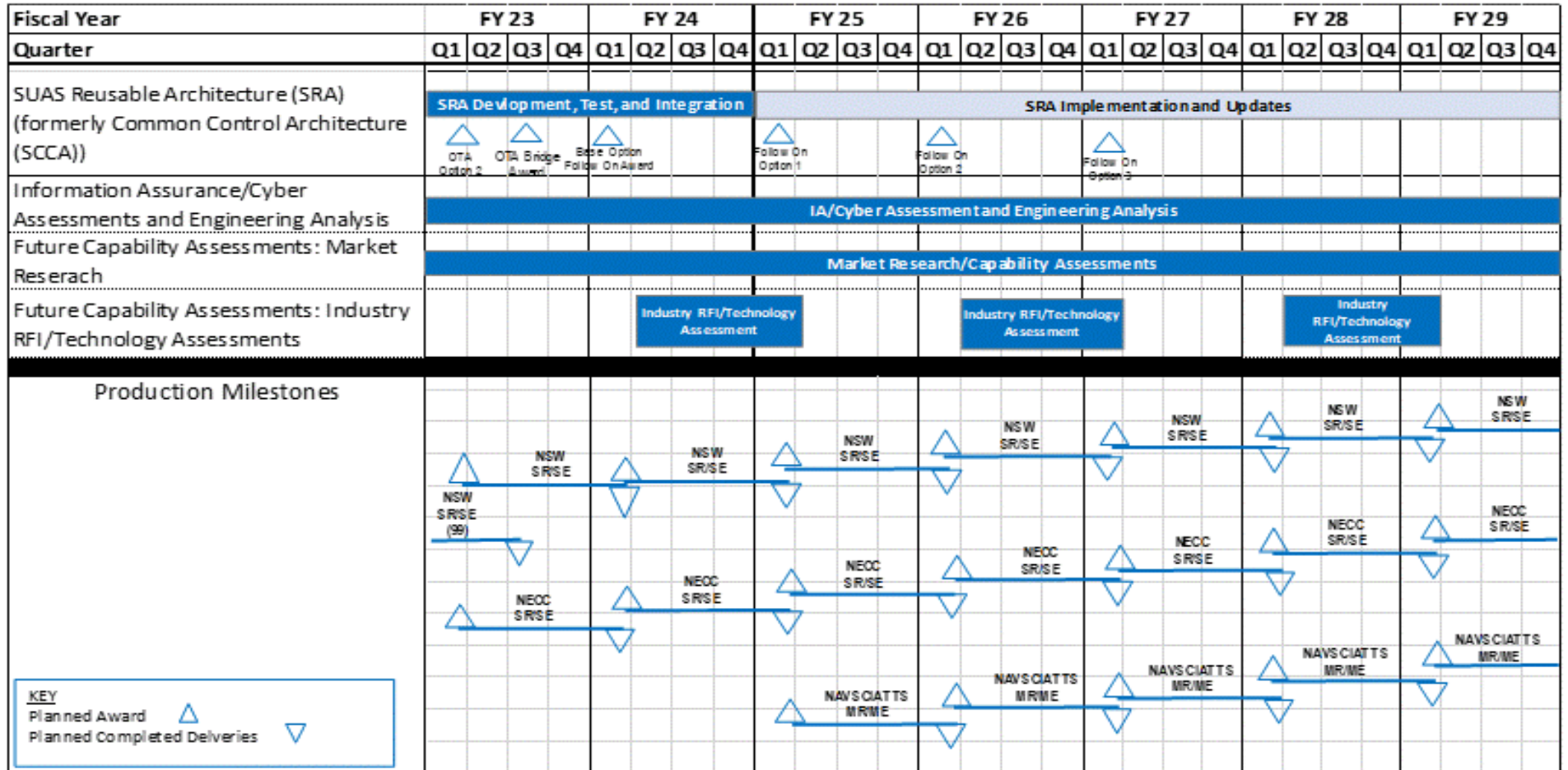
Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy

Date: March 2024

Appropriation/Budget Activity
1319 / 5

R-1 Program Element (Number/Name)
PE 0604230N / Warfare Support System

Project (Number/Name)
3446 / Expeditionary sUAS Development



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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 0604230N / Warfare Support System	Project (Number/Name) 3446 / Expeditionary sUAS Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3446				
SUAS Reusable Architecture (SRA): SRA Development, Test, and Integration	1	2023	4	2024
SUAS Reusable Architecture (SRA): SRA Implementation and Updates	1	2025	4	2029
SUAS Reusable Architecture (SRA): OTA Option 2	1	2023	1	2023
SUAS Reusable Architecture (SRA): OTA Bridge Award	3	2023	3	2023
SUAS Reusable Architecture (SRA): Base Year Follow-On Award	1	2024	1	2024
SUAS Reusable Architecture (SRA): Follow-On Option 1 Award	1	2025	1	2025
SUAS Reusable Architecture (SRA): Follow-On Option 2 Award	1	2026	1	2026
SUAS Reusable Architecture (SRA): Follow-On Option 3 Award	1	2027	1	2027
Information Assurance/Cyber Assessments: IA/Cyber Assessment	1	2023	4	2029
Future Capability Assessments: Market Research/Capability Assessments	1	2023	4	2029
Future Capability Assessments: FY24 Industry RFI/Technology Assessment	2	2024	1	2025
Future Capability Assessments: FY26 Industry RFI/Technology Assessment	2	2026	1	2027
Future Capability Assessments: FY28 Industry RFI/Technology Assessment	2	2028	1	2029
Production Milestones: Contract Award: FY23 NSW SR/SE	1	2023	1	2023
Production Milestones: Contract Award: FY24 NSW SR/SE	1	2024	1	2024
Production Milestones: Contract Award: FY25 NSW SR/SE	1	2025	1	2025
Production Milestones: Contract Award: FY26 NSW SR/SE	1	2026	1	2026
Production Milestones: Contract Award: FY27 NSW SR/SE	1	2027	1	2027
Production Milestones: Contract Award: FY28 NSW SR/SE	1	2028	1	2028
Production Milestones: Contract Award: FY29 NSW SR/SE	1	2029	1	2029
Production Milestones: Contract Award: FY23 NECC SR/SE	1	2023	1	2023
Production Milestones: Contract Award: FY24 NECC SR/SE	1	2024	1	2024

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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 0604230N / <i>Warfare Support System</i>	Project (Number/Name) 3446 / <i>Expeditionary sUAS Development</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Production Milestones: Contract Award: FY25 NECC SR/SE	1	2025	1	2025
Production Milestones: Contract Award: FY26 NECC SR/SE	1	2026	1	2026
Production Milestones: Contract Award: FY27 NECC SR/SE	1	2027	1	2027
Production Milestones: Contract Award: FY28 NECC SR/SE	1	2028	1	2028
Production Milestones: Contract Award: FY29 NECC SR/SE	1	2029	1	2029
Production Milestones: Contract Award: FY25 NAVSCIATTS MR/ME	1	2025	1	2025
Production Milestones: Contract Award: FY26 NAVSCIATTS MR/ME	1	2026	1	2026
Production Milestones: Contract Award: FY27 NAVSCIATTS MR/ME	1	2027	1	2027
Production Milestones: Contract Award: FY28 NAVSCIATTS MR/ME	1	2028	1	2028
Production Milestones: Contract Award: FY29 NAVSCIATTS MR/ME	1	2029	1	2029

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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 0604230N / Warfare Support System				Project (Number/Name) 4011 / Naval Coastal Warfare Surv and C4I Sys			
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
4011: Naval Coastal Warfare Surv and C4I Sys	51.700	0.801	0.849	2.997	-	2.997	3.266	3.448	0.802	0.817	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Identity Dominance System (IDS) supports the Navy's Visit, Board, Search and Seizure (VBSS) teams conducting Expanded Maritime Interception Operations (MIO) with a biometric capability. IDS provides the Navy with a means to collect and process identity information in the conduct of maritime and expeditionary operations. There are three key aspects of this capability: 1) Enable forces to rapidly identify unknown individuals encountered in the conduct of operations. 2) Verify an unknown individual's claimed identity. 3) Enable forces to update, manage, and share identity information on friendly, neutral, and enemy individuals in support of identity operations (IdOps). To support IdOps and achieve identity dominance for expeditionary and naval forces, the future biometrics collection and processing equipment needs to be smaller, lighter, and more efficient with respect to computing power and speed when compared against the current system. The equipment needs to take advantage of enhanced communications capabilities, be able to store the appropriate amount of data to collect biometric samples, match the samples against an internal database and reach near real time operations with connectivity to the DoD biometrics database. In addition to Navy VBSS MIO, IDS also supports the Expeditionary Exploitation Unit One (EXU-1) expeditionary missions. IDS must continue to mature and adapt to the changing threat environment and emerging requirements to support these missions. Biometrically Enabled Access Control - Husbanding (BEACH) is a two-factor authentication capability to improve identity and authentication assurance for entrance to CONUS and OCONUS Navy-Controlled and non-Navy Controlled ports.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Identity Dominance System	0.801	0.849	2.997	0.000	2.997
Articles:	-	-	-	-	-
Description: The Identity Dominance System (IDS) is completing a technology refresh to field a sustainable system, reduce maintenance and sustainment costs, improve system capabilities, and eliminate performance shortfalls.					
FY 2024 Plans: The IDS tech refresh system will be updated via Engineering Change Proposals (ECP) for enhancements, information assurance, software and hardware changes which ensure systems are not vulnerable to cyber-attacks. IDS will increase and support the Identity Operations and Force Protection efforts to those individuals deployed. The continued efforts of building a database of suspected enemies to the United States will allow potential threats to be identified at foreign access control points and in international waters.					
FY 2025 Base Plans:					

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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 0604230N / <i>Warfare Support System</i>	Project (Number/Name) 4011 / <i>Naval Coastal Warfare Surv and C4I Sys</i>

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
IDS will increase and support Identity Operations and Force Protection efforts for deployed individuals. The continued efforts of building a database of suspected enemies to the United States will allow potential threats to be identified at foreign access control points and in international waters.					
BEACH development efforts will begin with establishment of the program's requirements analysis and market survey.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: Increase establishes developmental efforts for BEACH program requirements, which is a two-factor authentication capability to improve identity and authentication.					
Accomplishments/Planned Programs Subtotals	0.801	0.849	2.997	0.000	2.997

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>			<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u>	
			<u>Base</u>	<u>OCO</u>	<u>Total</u>					<u>Complete</u>	<u>Total Cost</u>
• OPN/ 8128: <i>Biometrics</i>	0.250	0.250	0.250	-	0.250	0.250	0.250	0.250	0.250	Continuing	Continuing
• OPN /8128: <i>BEACH</i>	0.000	0.000	0.434	-	0.434	1.183	1.361	0.635	0.624	0.000	4.237

Remarks

D. Acquisition Strategy

Program will continue to provide a biometric capability to the Navy's expeditionary/forward deployed forces through system upgrades and further collaboration with other biometric stakeholders. The funding supports development and integration of new capabilities designed to enhance the overall performance of IDS and improve our Nation's security posture abroad and in CONUS. The program continually assesses the threat environment, security posture, operational requirements, and DOD and Navy policies related to Identity Operations and Force Protection. The program will evaluate, integrate, and field new capabilities to Maritime and Expeditionary Forces.

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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 0604230N / Warfare Support System					Project (Number/Name) 4011 / Naval Coastal Warfare Surv and C4I Sys					

Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering - Expeditionary	WR	NSWC : PANAMA CITY, FL	5.080	0.000		0.000		0.000		-		0.000	0.000	5.080	Continuing
Hardware/Software Development	WR	NSWC DAHLGREN : DAHLGREN	4.016	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Hardware/Software Development	WR	NSWC CRANE : CRANE	1.450	0.000		0.000		0.000		-		0.000	0.000	1.450	Continuing
Systems Engineering - IDS	WR	NSWC, DAHLGREN : DAHLGREN, VA	8.285	0.280	Nov 2022	0.311	Dec 2023	0.315	Dec 2024	-		0.315	Continuing	Continuing	Continuing
Hardware/Software Development - IDS	WR	NSWC : DAHLGREN	1.270	0.399	Nov 2022	0.413	Dec 2023	0.406	Dec 2024	-		0.406	Continuing	Continuing	Continuing
Product Development Prior Years	Various	Various : Various	10.174	0.000		0.000		0.000		-		0.000	0.000	10.174	10.174
Systems Engineering - BEACH	WR	NSWC, DAHLGREN : DAHLGREN, VA	0.000	0.000		0.000		0.890	Dec 2024	-		0.890	0.000	0.890	-
Hardware/Software Development - BEACH	WR	NSWC, DAHLGREN : DAHLGREN, VA	0.000	0.000		0.000		0.750	Dec 2024	-		0.750	0.000	0.750	-
Subtotal			30.275	0.679		0.724		2.361		-		2.361	Continuing	Continuing	N/A

Remarks

Increased funding supports BEACH and IDS product development, systems engineering and hardware support.

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Data	WR	NSWC : CRANE	0.260	0.000		0.000		0.000		-		0.000	0.000	0.260	Continuing
Technical Data	WR	NSWC : DAHLGREN	0.187	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Support Prior Years	Various	Various : Various	5.206	0.000		0.000		0.000		-		0.000	0.000	5.206	5.206
Subtotal			5.653	0.000		0.000		0.000		-		0.000	Continuing	Continuing	N/A

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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 0604230N / Warfare Support System					Project (Number/Name) 4011 / Naval Coastal Warfare Surv and C4I Sys				

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NSWC : DAHLGREN	1.200	0.122	Nov 2022	0.125	Dec 2023	0.636	Dec 2024	-		0.636	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NSWC : PANAMA CITY, FL	2.772	0.000		0.000		0.000		-		0.000	0.000	2.772	-
Subtotal			3.972	0.122		0.125		0.636		-		0.636	Continuing	Continuing	N/A

Remarks
Increased funding supports testing to address any new software capabilities that are developed.

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Management Services Prior Years	Various	Various : Various	0.275	0.000		0.000		0.000		-		0.000	0.000	0.275	0.275
Program Management Support	Various	Various : Various	5.388	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Management Support - IDS	WR	NSWC : DAHLGREN	5.075	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Management Support - IDS	WR	NSWC : CRANE	1.062	0.000		0.000		0.000		-		0.000	0.000	1.062	-
Subtotal			11.800	0.000		0.000		0.000		-		0.000	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			51.700	0.801	0.849	2.997	-	2.997	Continuing	Continuing	N/A

Remarks

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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 0604230N / Warfare Support System	Project (Number/Name) 4011 / Naval Coastal Warfare Surv and C4I Sys

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 4011				
Acquisition Milestones: Identity Dominance System (IDS): IDS Tech Refresh Fielding	4	2023	2	2024
Acquisition Milestones: Identity Dominance System (IDS): Milestone - Tech Refresh #2 CCB	4	2027	4	2027
System Development: Identity Dominance System (IDS): IDS Tech Refresh Information Assurance ECP Development and Validation	1	2023	4	2028
Production: Identity Dominance System (IDS): IDS Tech Refresh Production contract award	1	2023	3	2023
Production: Identity Dominance System (IDS): Contract Award	2	2025	2	2025
Production: Identity Dominance System (IDS): Delivery Order 1 Initial Operational Capability	1	2026	2	2026
Production: Identity Dominance System (IDS): Full Operational Capability	1	2028	4	2028
Production: Identity Dominance System (IDS): Request for Proposal	2	2024	2	2025
Production: Identity Dominance System (IDS): Prototyping	2	2025	4	2026

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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 0604230N / Warfare Support System				Project (Number/Name) 9999 / Congressional Adds			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	9.647	3.858	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	13.505
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Diesel Fuel Outboard Motor Testing project supports the transition of the FY 2015 Rapid Innovation Fund "Affordable Multi-fuel Multi-engine Advanced Combatant Craft" program to the Explosive Ordnance Disposal Force. This technology minimizes the types of fuel required to increase standardization, flexibility, and interoperability during deployment while at the same time reduces total ownership cost. Testing of this technology shall determine the operational viability and any changes required to boat design to ensure safety and suitability.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2023	FY 2024
Congressional Add: NSW unmanned vehicle development	3.858	0.000
<p>FY 2023 Accomplishments: \$4M Congressional add received for NSW unmanned vehicle development. \$2.5M was obligated to support NSW undersea test, evaluation and prototyping activities at ARL/UH under the Navy UARC contract. \$1.102M was obligated to support NSW unmanned integration. \$256K was obligated to support autonomy development of NSW unmanned systems. \$0.142M was levied for 90007 ExecRealign SB Issue (SBIR Taxes).</p> <p>Program Description Develop, prototype, test lowrate production hardware / software solutions for Naval, Special Warfare (NSW) Underwater Unmanned Vehicles (UUV) and host NSW submersibles. Improve integration and performance for NSW UUV capability utilizing NSW's MK8 & MK11 SEAL Delivery Vehicles (SDV).</p> <p>Efforts include: Prototype & test NSW UUV Launch / Recovery systems from MK11 SDV; Develop and produce Technical Training Aids for both operators and maintainers; NSW Battery charging solutions on and off host Navy Submarines (SSN/SSGN); Design and manufacture improved SDV mounting solutions for NSW UUVs; Improve situational awareness for NSW combat diver at the tactical edge.</p> <p>FY 2024 Plans: \$1.358M will be obligated from PE 3326 to support NSW undersea test, evaluation and prototyping activities at ARL/UH under the Navy UARC contract.</p> <p>Program Description</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy	Date: March 2024
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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604230N / Warfare Support System	Project (Number/Name) 9999 / Congressional Adds
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024
Develop, prototype, test lowrate production hardware / software solutions for Naval, Special Warfare (NSW) Underwater Unmanned Vehicles (UUV) and host NSW submersibles. Improve integration and performance for NSW UUV capability utilizing NSW's MK8 & MK11 SEAL Delivery Vehicles (SDV). Efforts include: Prototype & test NSW UUV Launch / Recovery systems from MK11 SDV; Develop and produce Technical Training Aids for both operators and maintainers; NSW Battery charging solutions on and off host Navy Submarines (SSN/SSGN); Design and manufacture improved SDV mounting solutions for NSW UUVs; Improve situational awareness for NSW combat diver at the tactical edge.		
Congressional Adds Subtotals	3.858	0.000

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

N/A

Remarks

D. Acquisition Strategy

Diesel Fuel Outboard Motor Transition: If testing proves the engines operational, reliable, feasible and suitable, diesel fuel outboard diesel engines will be transitioned to the Fleet by being installed aboard Explosive Ordnance Disposal Force Craft currently operating as well as for new procurements in FY23.

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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 0604230N / Warfare Support System	Project (Number/Name) 9999 / Congressional Adds
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Hardware Development	C/CPFF	Northrop Grumman : San Diego, CA	1.065	0.000		0.000		0.000		-		0.000	0.000	1.065	-
Outboard Diesel Engine Material Solution	C/BOA	PMS300 : Washington, DC	1.200	0.000		0.000		0.000		-		0.000	0.000	1.200	-
Software Development	C/CPFF	Northrop Grumman : San Diego, CA	0.760	0.000		0.000		0.000		-		0.000	0.000	0.760	-
Design Feasibility	WR	NSWC : Carderock, MD	0.150	0.000		0.000		0.000		-		0.000	0.000	0.150	-
Systems Engineering	C/CPFF	Northrop Grumman : San Diego, CA	0.675	0.000		0.000		0.000		-		0.000	0.000	0.675	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Carderock, MD	0.600	0.000		0.000		0.000		-		0.000	0.000	0.600	-
Final Report	WR	NSWC : Carderock, MD	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	-
Operational deployment of diesel-fueled outboard marine motors	C/BOA	PMS300 : Washington, DC	2.894	0.000		0.000		0.000		-		0.000	0.000	2.894	-
Subtotal			7.394	0.000		0.000		0.000		-		0.000	0.000	7.394	N/A

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Systems Engineering	WR	NSWC Crane, Crane, IN : Not Specified	0.279	0.000		0.000		0.000		-		0.000	0.000	0.279	-
Advanced Techniques Development	WR	NSWC: Various : Not Specified	0.164	0.000		0.000		0.000		-		0.000	0.000	0.164	-
Ship Integration	WR	NSWC CR, Crane, IN : Not Specified	0.818	0.000		0.000		0.000		-		0.000	0.000	0.818	-
Test and Evaluation	WR	NSWC CR, Crane, IN : Not Specified	0.792	0.000		0.000		0.000		-		0.000	0.000	0.792	-

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy	Date: March 2024
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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604230N / <i>Warfare Support System</i>	Project (Number/Name) 9999 / <i>Congressional Adds</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Diesel Fuel Outboard Motor Testing</i>				
Technology Assessment/Demonstrations	4	2023	4	2024
Test and Evaluations	4	2023	4	2024

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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 0604230N / Warfare Support System				Project (Number/Name) 9C86 / Combatant Craft Replacement			
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
9C86: <i>Combatant Craft Replacement</i>	13.596	0.890	0.942	0.922	-	0.922	0.940	0.956	0.975	0.996	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Navy Expeditionary Combat patrol boats, Fleet Expeditionary Security combatant craft, Underwater Construction Team (UCT) and Explosive Ordnance Disposal (EOD) replacement will provide second generation Multi Mission Craft that will replace in-service Force Protection Large, Force Protection Small, Underwater Construction and EOD craft. Boat and craft replacements will: conduct Maritime Security Operations across the full spectrum of naval, joint, and combined operations enabling access and freedom of action throughout the sea-to-shore and inland operating environments as well as conduct maritime Mine Countermeasures (MCM), counter Improvised Explosive Devices (IEDs), Weapons of Mass Destruction (WMD), and all other types of weaponry, for protection of naval and joint assets required for sea control and power projection. Specific mission and capabilities will be identified in an Initial Capabilities Document (ICD), Analysis of Alternatives (AoA), Capabilities Production Document (CPD) and required milestone documentation. RDT&E funding will fund procurement and material solution studies, advanced technology development and studies, design development and test and evaluation and transition Small Business Innovative Research Programs, Rapid Innovation Fund Programs and other technology programs expeditionary science & technology objectives as follows: RDT&E funding will fund procurement and material solution studies, advanced technology development and studies, expeditionary science & technology objectives, design development and test and evaluation and transition Small Business Innovative Research Programs, Rapid Innovation Fund Programs and other technology programs.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Combatant Craft Replacement	0.890	0.942	0.922	0.000	0.922
Articles:	-	-	-	-	-
Description: The boats and craft in the Navy Expeditionary Combat Command (NECC) fleet are reaching the end of their service lives and will create a capability gap if not replaced. Funding supports design/development and testing of NECC's next generation Expeditionary Combat Patrol Boat or 40 Patrol Boat (40PB) and other NECC craft.					
FY 2024 Plans: Continue material solution development and advanced technology development as well as continuing planning, research, analysis, design and development to recapitalize Expeditionary Craft to clear, secure and protect in a contested environment. Continue science and technology development to optimize material solutions to fill critical Expeditionary capability gaps as well as transition Small Business Innovative Research Programs, Rapid					

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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 0604230N / Warfare Support System	Project (Number/Name) 9C86 / Combatant Craft Replacement
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

Innovation Fund Programs and other technology programs. Continue to develop small form factor Navigation, C5I and Weapon technology integration for Expeditionary Craft in a contested environment.

FY 2025 Base Plans:

Continue material solution development and advanced technology development as well as planning, research, analysis, design and development to recapitalize Expeditionary Craft to clear, secure and protect in a contested environment. Continue science and technology development to optimize material solutions to fill critical Expeditionary capability gaps as well as transition Small Business Innovative Research Programs, Rapid Innovation Fund Programs and other technology programs. Continue to develop small form factor Navigation, C5I and Weapon technology integration for Expeditionary Craft in a contested environment.

FY 2025 OCO Plans:

N/A

FY 2024 to FY 2025 Increase/Decrease Statement:

FY 2025 decrease in support of Expeditionary Combatant Craft Replacement and craft related technological innovations.

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Accomplishments/Planned Programs Subtotals	0.890	0.942	0.922	0.000	0.922

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPN/1210: <i>Standard Boats (NECC)</i>	29.695	10.625	7.067	-	7.067	18.887	23.419	24.118	24.620	Continuing	Continuing

Remarks

Other Program Funding reflects OPN/1210 funds directly associated with Project 9C86, not the total value of the OPN Line Item.

D. Acquisition Strategy

Acquisition of RDT&E developed craft material solution and technology to be accomplished using "tailored" commercial procurements in accordance with the Craft Replacement Acquisition Strategy.

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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 0604230N / <i>Warfare Support System</i>	Project (Number/Name) 9C86 / <i>Combatant Craft Replacement</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 9C86</i>				
Combatant & Fleet Expeditionary Craft Design Studies	3	2023	4	2025
Combatant & Fleet Expeditionary Craft Awards	3	2023	4	2025
Combatant & Fleet Expeditionary Craft Deliveries	3	2023	4	2025
Developmental Test and Evaluation	3	2023	4	2025
Selection of Craft/Systems for Production	4	2024	4	2025
Selection of Lethal and Non-Lethal Sensors/Effectors	1	2024	4	2025
Integration of Lethal and Non-Lethal Sensors/Effectors	1	2024	4	2025