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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>
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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	705.039	109.973	158.231	210.787	-	210.787	279.589	199.955	192.444	221.981	Continuing	Continuing
S0417: <i>Underwater Systems</i>	597.042	82.822	124.672	169.864	-	169.864	186.691	130.530	132.283	153.031	Continuing	Continuing
S1684: <i>Surface Craft</i>	107.997	27.151	33.559	40.923	-	40.923	92.898	69.425	60.161	68.950	Continuing	Continuing

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

This Program Element provides for the Engineering and Manufacturing Development (EMD) of Special Operations Forces (SOF) Surface and Undersea Mobility platforms. It also provides for pre-acquisition activities to quickly respond to new requirements for SOF surface and undersea mobility, looking at multiple alternatives to include cross-platform technical solutions, service-common solutions, Commercial-Off-The-Shelf (COTS) technologies, and new development efforts.

The Underwater Systems project provides for the EMD of combat submersibles, SOF combat diving systems, underwater support systems, and underwater equipment. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component, prototype development, and exploitation of emerging technology opportunities to deliver enhanced capabilities) to respond to emerging requirements. This project received a Congressional Add in FY 2023 (\$30.000 million), details are provided under separate cover.

The Surface Craft project provides for the EMD of all combatant craft, combatant craft mission equipment, pre-planned product improvement, and technology insertions to meet the unique requirements of SOF. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to quickly respond to new requirements for maritime craft and subsystems. The Underwater and Surface craft project's capabilities and unique equipment provide small, highly trained forces the ability to successfully engage with increased lethality while maximizing survivability of the SOF personnel and equipment.

The SOF Combat Diving Program has been designated a Middle Tier of Acquisition (MTA). SOF Combat Diving rapidly develops prototypes to advance diving equipment for the next generation family of systems. Development areas support SO-peculiar (SO-p) life support systems, marine environmental protection, navigation, propulsion, and communication systems which provides a fully outfitted Combat Diver.

The total cost of the Combat Diving MTA effort is \$58.561 million (FY 2019 - FY 2023), including RDT&E and procurement of prototype units modernizing SOF Combat Diving equipment to deploy from all USSOCOM maritime platforms. The Combat Diving program is fully funded across the Future Years Defense Program (FYDP).

The Maritime Precision Engagement (MPE) program provides standoff, loitering, man-in-the-loop weapons systems integrated on Combatant Craft Medium and capable of targeting individuals, groups, vehicle, high value targets and small oceangoing craft with low risk of collateral damage.

The total cost of the MPE MTA effort is \$38.090 million (FY 2021 - FY 2025), including RDT&E and procurement of prototype units. The MPE program is fully funded across the FYDP.

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	112.645	158.231	179.852	-	179.852
Current President's Budget	109.973	158.231	210.787	-	210.787
Total Adjustments	-2.672	0.000	30.935	-	30.935
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.436	-			
• SBIR/STTR Transfer	-4.108	-			
• Adjustments to Budget Year	-	-	30.935	-	30.935

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

**Project:** S0417: *Underwater Systems*

Congressional Add: *Classified Program*

	<b>FY 2023</b>	<b>FY 2024</b>
Congressional Add Subtotals for Project: S0417	28.905	-
Congressional Add Totals for all Projects	28.905	-

**Change Summary Explanation**

FY 2023: Net decrease of \$2.672 million is due to a reprogramming of funds to the Congressionally mandated Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR) programs (\$4.108 million). Additionally, an increase for Small Unmanned Surface Vehicles (SUSV) to support program establishment and SO-p modifications.

FY 2024: None.

FY 2025: Net increase of \$30.935 million supports SOF Combat Diving (\$9.734 million) for EMD, testing and rapid prototyping of new SO-p underwater mixed gas breathing apparatus and the development of associated diving procedures specific to SO-p capabilities: development of Emergency Breathing Systems and diving treatment systems supporting SO-p diving deployment from maritime platforms, next generation diver propulsion equipment with integrated thermal protection increasing range and duration in the water, development of underwater communications networks of diver-to-diver communications and optical and acoustic communication systems. This increase also supports the development of equipment SOF carry-on, battery development, materiel off gassing testing and all environmental testing required for Submarine and Dry Combat Submersible carry-on integration to deploy these prototypes with all USSOCOM maritime platforms and is aligned with the 2022 National Defense Strategy supporting SOF in the strategic competition influence, distributing our maritime operations through our assured access into contested/denied regions; an increase in Small Unmanned Surface Vessel (SUSV) for SO-p modifications, Government-off-

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**Appropriation/Budget Activity**  
0400: *Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development*

**R-1 Program Element (Number/Name)**  
PE 1160483BB / *Maritime Systems*

the-Shelf (GOTS) payload and communication integration efforts to meet Special Operations Rapid Requirement Document (SORRD) requirements in FY 2025 (\$2.000 million); an increase for Combatant Craft Medium (CCM) to the development of the CCM MK2 test articles to support the EMD phase (\$12.000 million); a decrease in Maritime Precision Engagement (MPE) due to standing down further efforts to integrate MPE onto additional CCM MK1s and focusing on CCM MK2 integration and future production (\$7.437 million); a decrease in Combatant Craft Light (CCL) due to rephasing of requirements (\$2.312 million); and a decrease in Combatant Craft Mission Equipment (\$0.100 million) to support emergent requirements. Additional increase details (\$17.000 million) are provided under separate cover.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Special Operations Command										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 7					<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>				<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
S0417: <i>Underwater Systems</i>	597.042	82.822	124.672	169.864	-	169.864	186.691	130.530	132.283	153.031	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

This project provides for the Engineering and Manufacturing Development (EMD) of combat underwater submersibles, Special Operations Forces (SOF) combat diving systems, underwater support systems, and underwater equipment. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to respond to emerging requirements. These submersibles, equipment, and diving systems are used by SOF in the conduct of infiltration/extraction, personnel/material recovery, hydrographic/inland reconnaissance, beach obstacle clearance, underwater ship attack, and other missions. The capabilities of the submersible systems, diving systems, and unique equipment provides small, highly trained forces the ability to successfully engage with increased lethality while maximizing survivability of the SOF personnel and equipment.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> Sea, Air, and Land (SEAL) Delivery Vehicle (SDV), Program Number 848	1.251	1.092	1.114
<b>Description:</b> The SDV MK 11, formerly referred to as Shallow Water Combat Submersible (SWCS), provides for the design, development, and test of one Engineering Development Model (EDM) and ten production units to replace the legacy MK 8 MOD 1 SDV system. The SDV MK 11 is a free-flooding combat submersible mobility platform suitable for transporting and deploying SOF and their payloads for a variety of SOF missions. The SDV MK 11 will be deployable from a Dry Deck Shelter (DDS), surface ships, and land. The MK 11 system includes the vehicle and support equipment, comprised of Mission Support Equipment (MSE), Pack-Up Kit (PUK) to support forward deployed operations, and Transportation and Handling (T&H). It also includes integration efforts with the current DDS and development of product improvements accomplished throughout the lifecycle of the system. The SWCS effort transitioned to the SDV program beginning in FY 2022 to better align with historical terminology and material solution. The SDV is aligned to the 2022 National Defense Strategy (NDS) by providing a means for stealthy insertion and extraction, enabling the Navy to project power and conduct operations in littoral and denied areas.			
<b>FY 2024 Plans:</b> Continue SDV MK 11 P3I. For FY 2024, the Pre-Planned Product Improvements (P3I) enhancements focus on Power and Energy, Electro-Optical Infrared (EO/IR) sensor, and Operator Situational Awareness (OSA) and MK 11 In-Service Engineering Agent operating cost.			
<b>FY 2025 Plans:</b> Continues SDV MK11 P3I. P3I enhancements in FY 2025 will be focused on Power and Energy for improved ranges and endurance, and OSA with focus on Advanced Sonar Software upgrades to keep pace with evolving contested / denied undersea environments.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024			
<b>Appropriation/Budget Activity</b> 0400 / 7		<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	
Increase of \$0.022 million supports continued Pre-Planned Product Improvement (P3I) enhancements with focus on Power and Energy for improved ranges and endurance, and Operator Situational Awareness (OSA) with focus on Advanced Sonar Software upgrades to keep pace with evolving contested / denied undersea environments.					
<b>Title:</b> Dry Combat Submersible (DCS), Program Number 816		4.114	3.794	2.302	
<p><b>Description:</b> The DCS provides for the advanced development, engineering, manufacturing, and testing efforts for a surface launched, dry, atmosphere controlled, diver lock-in/lock-out vessel capable of inserting and extracting SOF personnel and their combat equipment into denied areas for a variety of missions. The United States Special Operations Command (USSOCOM) tested one submersible prototype to validate test methodologies, commercial classification, and the USSOCOM safety certification processes and will continue to evaluate capability enhancing technologies and reduce risk within the DCS program. This program includes funding for enhanced warfighter capabilities such as Mid-Water Column Lock-In/Lock-Out (LI/LO), de-pressurization pump, and surface host vessel interoperability, all designed to maximize deployment opportunities while improving diver safety by providing more options for LI/LO depths. The DCS supports the 2022 NDS by maintaining dominance in the undersea domain. The DCS contributes to this objective by providing a means for the Navy to operate in littoral and denied areas, where traditional submarines may face challenges.</p> <p><b>FY 2024 Plans:</b> Continue the incorporation of P3I of DCS to include Navy submarine/grey hull interoperability, efforts to address obsolescence, and the continued insertion of Undersea Craft Mission Equipment (UCME) developed technologies.</p> <p><b>FY 2025 Plans:</b> Continues the incorporation of P3I of DCS to include surface vessel interoperability, efforts to address obsolescence, mast and antenna development, and humidity control.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease of \$1.492 million is due to completion of Follow-on Operational Test and Evaluation (FOT&amp;E) and a programmatic shift to life cycle sustainment.</p>					
<b>Title:</b> Dry Deck Shelter (DDS) Modernization, Program Number 817		2.583	12.423	12.471	
<p><b>Description:</b> The DDS provides for the P3I, testing, and integration of specialized underwater systems to meet the unique requirements of SOF, and compatibility with the submarine fleet. The current DDS is a certified diving system, which attaches to modified host submarines that provides for insertion of SOF forces and platforms. Funding supports product improvements to the current DDS, as well as associated diver equipment for in-service submarine support systems, unmanned underwater vehicles, and follow on development efforts for future SOF payloads. DDS is directly aligned with the 2022 National Defense Strategy (NDS) by enhancing the Department's ability to project power and conduct operations in contested environments and it supports</p>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>the sustainment of a resilient Joint Force used to deter aggression on by providing the capability to insert special operations forces and platforms in hard-to-reach areas of the world in a clandestine manner.</p> <p><b>FY 2024 Plans:</b> Continue studies and analysis of future DDS to include concept designs, design specifications, Request for proposal development, analysis of alternatives, and efforts related to pre-milestone A. Continue development of legacy field changes necessary to extend the useful life and increase the payload capacity of six DDSs.</p> <p><b>FY 2025 Plans:</b> Continues DDS Next generation studies and analysis to include concept designs, design specifications, request for proposal development, analysis of alternatives and efforts related to pre-milestone A. Continues development of legacy field changes necessary to extend the useful life and increase the payload capacity capabilities of six DDSs.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$0.048 million supports legacy DDS improvements to sustain SOF employment on U.S. Navy Host Submarines while improving performance, reliability and survivability.</p>			
<p><b>Title:</b> SOF Combat Diving (CBDIV), Program Number 713</p> <p><b>Description:</b> The SOF Combat Diving program enables the delivery of special operations forces to denied or hostile areas and provides direct support the Navy's ability to conduct special operations. SOF Combat Diving rapidly develops prototypes to develop a family of systems of next generation diving equipment. Development areas support SO-peculiar (SO-p) life support systems, marine environmental protection, navigation, propulsion, and communication systems, which provides a fully outfitted Combat Diver. Continued investment in SOF Combat Diving's efficient and sustainable capabilities will allow SOF operators to continue extending their reach into contested/denied areas through propulsion and navigation improvements while increasing bottom time through improved diver climate protection.</p> <p><b>FY 2024 Plans:</b> Continue development, prototyping, and advanced development to include testing and evaluation of environmental protection, navigation, communication, and propulsion equipment. Development, testing, and integration to support prototyping the helium and oxygen (HEO2) Underwater Breathing Apparatus (UBA).</p> <p><b>FY 2025 Plans:</b> Continues development, prototyping and the advancement of EDM, testing and rapid prototyping of new SO-p underwater mixed gas breathing apparatus and the development of associated diving procedures specific to SO-p capabilities. Development of Emergency Breathing Systems and diving treatment systems supporting the SO-p diving deployment from USSOCOM maritime platforms, next generation diver propulsive equipment with integrated thermal protection increasing range and duration in the</p>	3.281	4.617	14.499

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>water, Development of Underwater Communications Networks of diver-to-diver communications, and optical and acoustic communication systems of a new mixed gas Underwater Breathing Apparatus (UBA).</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$9.882 million supports the engineering, development, and manufacturing of a next generation Underwater Breathing Apparatus and associated diving table procedures as well as new diving treatment systems, battery development, and all environmental testing required for Submarine and DCS carry-on integration.</p>				
<p><b>Title:</b> Undersea Craft Mission Equipment (UCME)</p> <p><b>Description:</b> UCME supports the transition of maritime focused Science and Technology (S&amp;T) efforts and provides a rapid response capability to support SOF underwater craft and diver systems, subsystems, and their emerging requirements. UCME provides technology refresh efforts to correct system deficiencies, improve asset life, and enhance mission capability to leverage and exploit emerging technologies within the maritime SOF undersea capability portfolio. UCME focuses on spearheading specific Technology Readiness Level (TRL) 6 technology for compatibility, maturity, marinization, and successful transition to the SOF undersea craft programs.</p> <p><b>FY 2024 Plans:</b> Continue development of undersea survivability enhancements; maritime navigation technology projects; underwater and maritime domain communications; enhanced Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance/Situational Awareness (C5ISR/SA); unique power and energy capabilities; other capability enhancements and enabling technologies for assured access and building enduring advantage, aligning to the 2022 NDS priorities. Begin the second increment enhanced maritime navigation technology projects, which will continue to provide enhanced capability to Maritime programs.</p> <p><b>FY 2025 Plans:</b> Continues FY 2024 investments and development/transition of technologies to enable assured access, in support of SOF maritime undersea technology insertion roadmap and aligned to 2022 NDS priorities. Increases emphasis on technologies to improve survivability of SOF undersea platforms. Expands collaboration with strategic partners to transition capabilities of interest.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$1.423 million for expanded investment in SOF undersea maritime survivability technologies in order to reduce susceptibility and enhance freedom of maneuver.</p>		12.558	17.567	18.990
<p><b>Title:</b> Small Unmanned Surface Vessel (SUSV), Program Number V36</p> <p><b>Description:</b> The SOF SUSV program procures commercial-off-the-shelf (COTS) modular systems that house government-off-the-shelf (GOTS) payloads in accordance with Special Operations Rapid Requirements Document (SORRD). The SUSV fielding is divided into two endurance categories to address missions lasting a few days (short endurance (SE) and missions</p>		0.956	-	2.000

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	
<p>lasting from months to years (long endurance (LE). The SE platforms will operate in concert with NSW Group 4 surface mobility assets and address contested logistics, enables access to contested / denied areas in the maritime domain, provides maritime special reconnaissance capabilities and reduces risk to personnel and manned platforms. The LE platforms will provide persistent maritime intelligence, surveillance, and reconnaissance (ISR).</p> <p><b>FY 2025 Plans:</b> Continues in accordance with the rapid fielding MTA SORRD and competitive demonstration testing of short and long endurance categories.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$2.000 million supports testing and evaluation of SUSVs for competitive down select and payload integration.</p>					
<p><b>Title:</b> Small Unmanned Underwater Vehicle (SUUV), Program Number 799</p> <p><b>Description:</b> MK 18 SUUV enables access to contested/denied areas in the maritime domain, provides maritime special reconnaissance capabilities and reduces risk to personnel and manned platforms. This program develops and integrates SO-peculiar (SO-p) modifications to the Service Common, MFP-2 funded, Mark 18 SUUV.</p>		0.260	-	-	
<p><b>Title:</b> Combatant Craft Light (CCL)</p> <p><b>Description:</b> The CCL is being designed to be a small combatant craft that supports deployment of six combat equipped SOF operators and their payloads for selected missions in multiple threat environments Based on reliability concerns of previous generation CCL Low Rate Initial Production (LRIP) articles and pending requirements update, a new design and prototype effort is required for a next generation-CCL craft. Its compact form factor provides SOF with versatile mission transportability, deployment, and utility capabilities.</p> <p><b>FY 2024 Plans:</b> Begin design efforts and prototype development for the next-generation CCL MK2.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease of \$2.267 million is due to requirements being rephased.</p>		-	2.267	-	
<p><b>Title:</b> Classified Programs</p> <p><b>Description:</b> Details provided under separate cover.</p> <p><b>FY 2024 Plans:</b> Details provided under separate cover.</p> <p><b>FY 2025 Plans:</b></p>		28.914	82.912	118.488	

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**Exhibit R-2A, RDT&E Project Justification:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
Details provided under separate cover.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Details of \$35.576 million increase will be provided under separate cover.			
<b>Accomplishments/Planned Programs Subtotals</b>	53.917	124.672	169.864

	<b>FY 2023</b>	<b>FY 2024</b>
<b>Congressional Add:</b> Classified Program	28.905	-
<b>FY 2023 Accomplishments:</b> Details provided under separate cover.		
<b>Congressional Adds Subtotals</b>	28.905	-

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PROC/0210US: <i>Underwater Systems</i>	55.876	66.111	63.850	-	63.850	122.937	285.473	445.256	452.887	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

- The SDV MK 11/SWCS initially used full and open competition with a down select to a single contractor to award prototype development and low-rate initial production. Sole source Justification and Approval (J&A) was approved and awarded to deliver production articles MK1106 - MK1110. Third Production contract in development for engineering services and Foreign Military Sales production with option to procure MK1111 - MK1114 to support Full Operational Capability increase to 14 MK11 articles. Sole source J&A in development with a target contract planned award early 1Q FY 2025. The full spectrum of contracting activities is being employed for P3I upgrades, using existing contracts, government agencies, and new contracts as appropriate. The SDV MK 11 is a Major Capability Acquisition (MCA), ACAT III, designated program.
- DCS leveraged full and open competition through market research to down select to a single prime contractor for 3 vessels. A Fixed Price Incentive Firm Target contract was awarded with the final vessel and Full Operational Capable (FOC) expected in FY24. DCS has been designated an MCA, ACAT IIIS program.
- The DDS is currently in sustainment through a maintenance and service contract competitively sourced in 2018 with a base year and four option periods planned to expire in 2023. The contract was extended by two years to 2025, to utilize existing labor hour ceiling on the contract. The modernization and engineering/change efforts for the six DDS in inventory are executed utilizing the existing services contract. The DDS is an MCA program.

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<ul style="list-style-type: none"><li>• The SOF Combat Diving Program has been designated a Middle Tier of Acquisition (MTA). The purpose of the MTA pathway is to rapidly develop prototypes in support of SO-peculiar Life Support Systems, Marine Environmental Protection, Navigation, Propulsion, and Communication systems. SOF Combat Diving is executed using existing contracts, government agencies, and new contracts competitively selected as appropriate.</li><li>• The UCME will use streamlined Federal Acquisition Regulation (FAR) contracting with existing or planned Indefinite Delivery, Indefinite Quantity, Blanket Order Agreement, University Affiliated Research Center, and Federally Funded Research and Development Center contracts and use Non-FAR Acquisition Authorities and Other Transaction Authority agreements, where appropriate.</li><li>• The SUSV program is designated a Middle Tier Acquisition (MTA). The goal of the MTA is to rapidly field capabilities through procurement of COTS short endurance (SE) and long endurance (LE) SUSVs with the potential to meet Special Operations Rapid Requirement Document (SORRD) requirements, then down select in a test demonstration. The SUSVs will be augmented with purpose built, modular, plug-and-play sensors/payloads that meet SO-p requirements.</li><li>• The SUUV Program will augment a Navy service-common man-portable UUV with purpose built, modular, plug-and-play sensors and payloads to meet SOF requirements.</li><li>• The next-generation CCL initial requirements definition, design, and prototyping are anticipated to be sole source. The USSOCOM will evaluate limited competition for follow-on production contingent on cost tradeoffs and completeness of technical data.</li></ul>		

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>
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<b>Product Development (\$ in Millions)</b>				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
SEAL Delivery Vehicle (SDV)/Shallow Water Combat Submersible Engineering Changes / Tech Insertions/Pre-Planned Product Improvements	C/Various	Various : Various	6.892	1.251	Jan 2023	1.092	Mar 2024	1.114	Jan 2025	-		1.114	Continuing	Continuing	-
Dry Combat Submersible (DCS) Enhancements / Pre-Planned Product Improvement (P3I) Changes	C/Various	Battelle : Various	27.024	3.434	Nov 2022	3.000	Nov 2023	1.752	Jan 2025	-		1.752	Continuing	Continuing	-
Dry Deck Shelter (DDS) Field Changes/ Enhancements	C/Various	Various : Various	2.167	2.316	Jan 2023	11.830	Jan 2024	11.867	Jan 2025	-		11.867	Continuing	Continuing	-
Special Operations Forces (SOF) Combat Diving - Life Support	Various	Various : Various	-	0.455	Feb 2023	1.350	Mar 2024	4.546	Mar 2025	-		4.546	Continuing	Continuing	-
SOF Combat Diving - Maritime Environmental Protection	Various	Various : Various	11.100	0.295	Feb 2023	0.250	Mar 2024	0.656	Feb 2025	-		0.656	Continuing	Continuing	-
SOF Combat Diving - Diver Navigation	Various	Various : Various	-	0.105	Feb 2023	0.357	Mar 2024	1.224	Dec 2024	-		1.224	Continuing	Continuing	-
SOF Combat Diving - Diver Propulsion	Various	Various : Various	-	0.537	Feb 2023	0.311	Mar 2024	1.450	Mar 2025	-		1.450	Continuing	Continuing	-
SOF Combat Diving - Diver Communication	Various	Various : Various	-	0.554	Feb 2023	0.659	Mar 2024	2.053	Feb 2025	-		2.053	Continuing	Continuing	-
Undersea Craft Mission Equipment (UCME) Enhanced Maritime Navigation	C/Various	Various : Various	-	1.150	Nov 2022	1.650	Nov 2023	1.650	Nov 2024	-		1.650	Continuing	Continuing	-
UCME Enhanced Maritime Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance,	C/Various	Various : Various	-	2.384	Nov 2022	6.365	Nov 2023	3.365	Nov 2024	-		3.365	Continuing	Continuing	-

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>
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<b>Product Development (\$ in Millions)</b>				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
and Reconnaissance/Situational Awareness (C5ISR/SA)															
UCME SOF Maritime Survivability	C/Various	Various : Various	-	3.587	Nov 2022	3.510	Nov 2023	6.933	Nov 2024	-		6.933	Continuing	Continuing	-
UCME SOF Maritime Power and Energy	C/Various	Various : Various	-	3.534	Nov 2022	3.534	Nov 2023	5.534	Nov 2024	-		5.534	Continuing	Continuing	-
UCME Other Assured Access Technologies	C/Various	Various : Various	-	1.108	Nov 2022	2.108	Nov 2023	1.108	Nov 2024	-		1.108	Continuing	Continuing	-
Small Unmanned Surface Vessel (SUSV)	C/Various	Various : Various	-	0.956	Apr 2023	-		2.000	Mar 2025	-		2.000	Continuing	Continuing	-
Small Unmanned Underwater Vehicle (SUUV)	C/Various	Various : Various	-	0.260	Mar 2023	-		-		-		-	Continuing	Continuing	-
Combatant Craft Light (CCL) Requirements Integration, Redesign and Prototype Planning	C/Various	Various : Various	-	-		2.267	Mar 2024	-		-		-	Continuing	Continuing	-
Classified Program	C/TBD	TBD : TBD	11.868	21.965		66.736		107.680		-		107.680	Continuing	Continuing	-
Classified Program Congressional Add	C/TBD	TBD : TBD	-	28.905		-		-		-		-	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	407.448	-		-		-		-		-	0.000	407.448	-
Prior Year Funding (Congressional Add)	C/Various	Various : Various	29.530	-		-		-		-		-	0.000	29.530	-
<b>Subtotal</b>			496.029	72.796		105.019		152.932		-		152.932	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				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 Funding	Various	Various : Various	9.094	-		-		-		-		-	0.000	9.094	-
<b>Subtotal</b>			9.094	-		-		-		-		-	0.000	9.094	N/A

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>
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<b>Test and Evaluation (\$ in Millions)</b>				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			
DCS Developmental/Operational Test and Evaluation	C/Variou	Various : Various	32.591	0.650	Dec 2022	-		0.520	Dec 2025	-		0.520	Continuing	Continuing	-
SOF Combat Diving Developmental Test and Evaluation	Variou	Various : Various	3.790	1.129	Oct 2022	1.505	Oct 2023	4.220	Oct 2024	-		4.220	Continuing	Continuing	-
Prior Year Funding	Variou	Various : Various	13.809	-		-		-		-		-	0.000	13.809	-
<b>Subtotal</b>			50.190	1.779		1.505		4.740		-		4.740	Continuing	Continuing	N/A

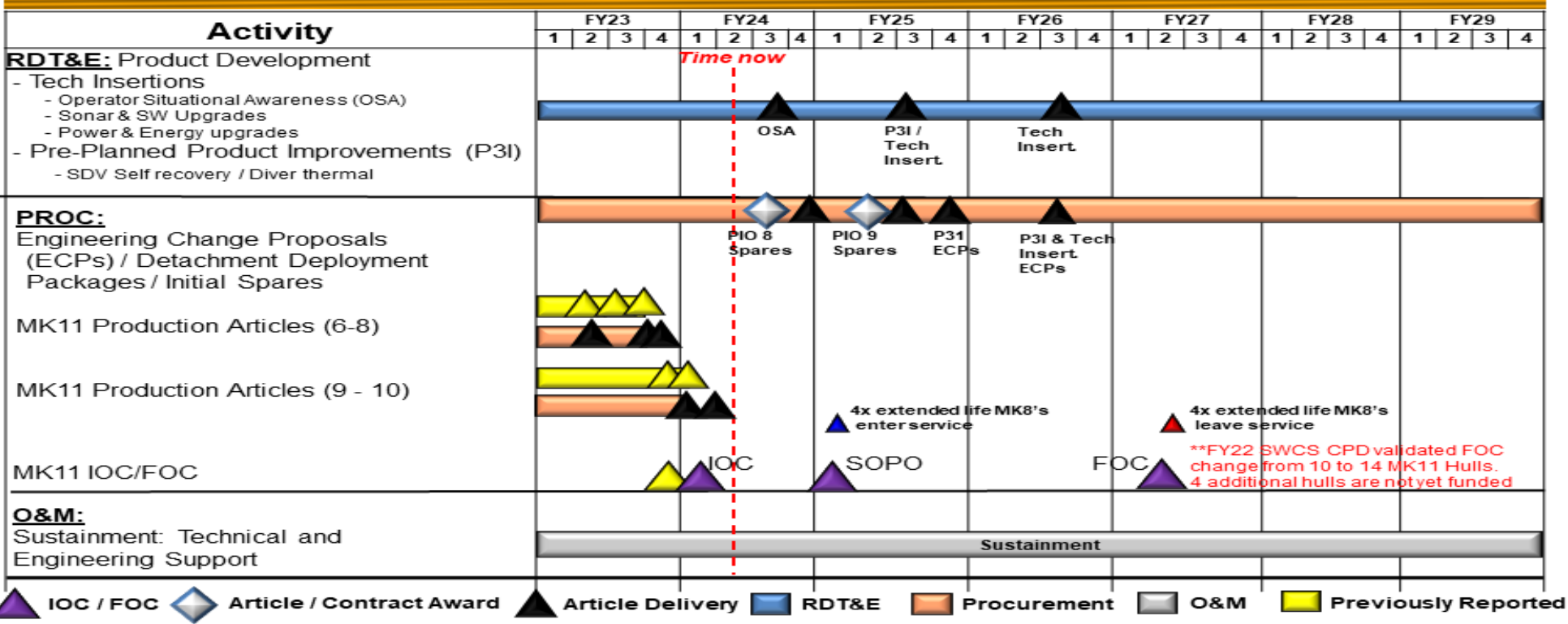
<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
DCS	Variou	Apogee : Tampa, FL	23.542	0.030	Sep 2023	0.794	Jun 2024	0.030	Jun 2025	-		0.030	Continuing	Continuing	-
DDS	Variou	NAVSEA : Washington, DC	2.872	0.267	Jan 2022	0.593	Dec 2023	0.604	Dec 2024	-		0.604	Continuing	Continuing	-
SOF Combat Diving	C/Variou	Apogee : Tampa, FL	0.901	0.206	Aug 2023	0.185	Aug 2024	0.350	Aug 2025	-		0.350	Continuing	Continuing	-
UCME	C/Variou	Various : Various	1.683	0.795	Dec 2022	0.400	Jun 2024	0.400	Nov 2024	-		0.400	Continuing	Continuing	-
Classified Program	TBD	TBD : TBD	3.400	6.949		16.176		10.808		-		10.808	Continuing	Continuing	-
Prior Year Funding	Variou	Various : Various	9.331	-		-		-		-		-	0.000	9.331	-
<b>Subtotal</b>			41.729	8.247		18.148		12.192		-		12.192	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	
<b>Project Cost Totals</b>		597.042	82.822	124.672	169.864	-	169.864	Continuing	Continuing	N/A

**Remarks**

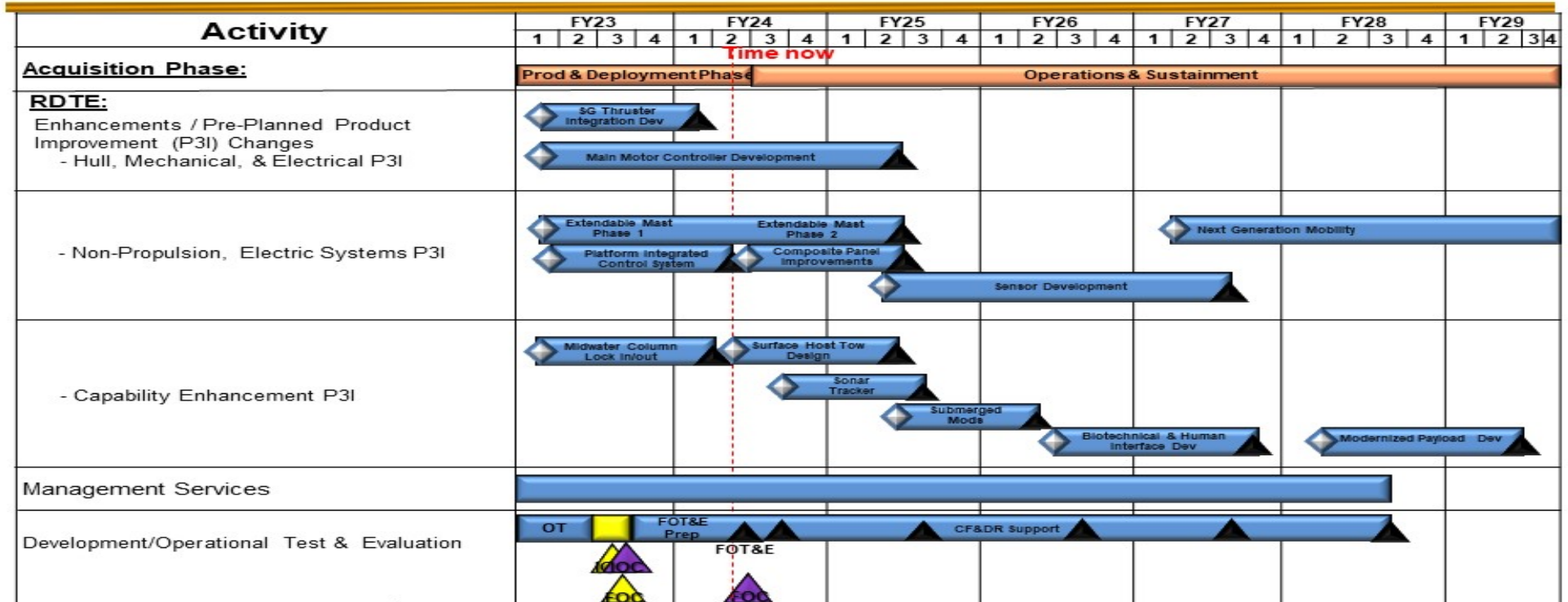
Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / Maritime Systems	Project (Number/Name) S0417 / Underwater Systems

# SEAL Delivery Vehicle (SDV) Schedule



Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / Maritime Systems	Project (Number/Name) S0417 / Underwater Systems
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## Dry Combat Submersible (DCS) Schedule



▲ IOC/FOC  
 ◆ Contract Award  
 ▲ Article Delivery/Milestone  
 ▬ RDT&E  
 ▬ Procurement  
 ▬ O&M  
 ▬ Previously Reported

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / Maritime Systems	<b>Project (Number/Name)</b> S0417 / Underwater Systems

# DCS Schedule, cont.

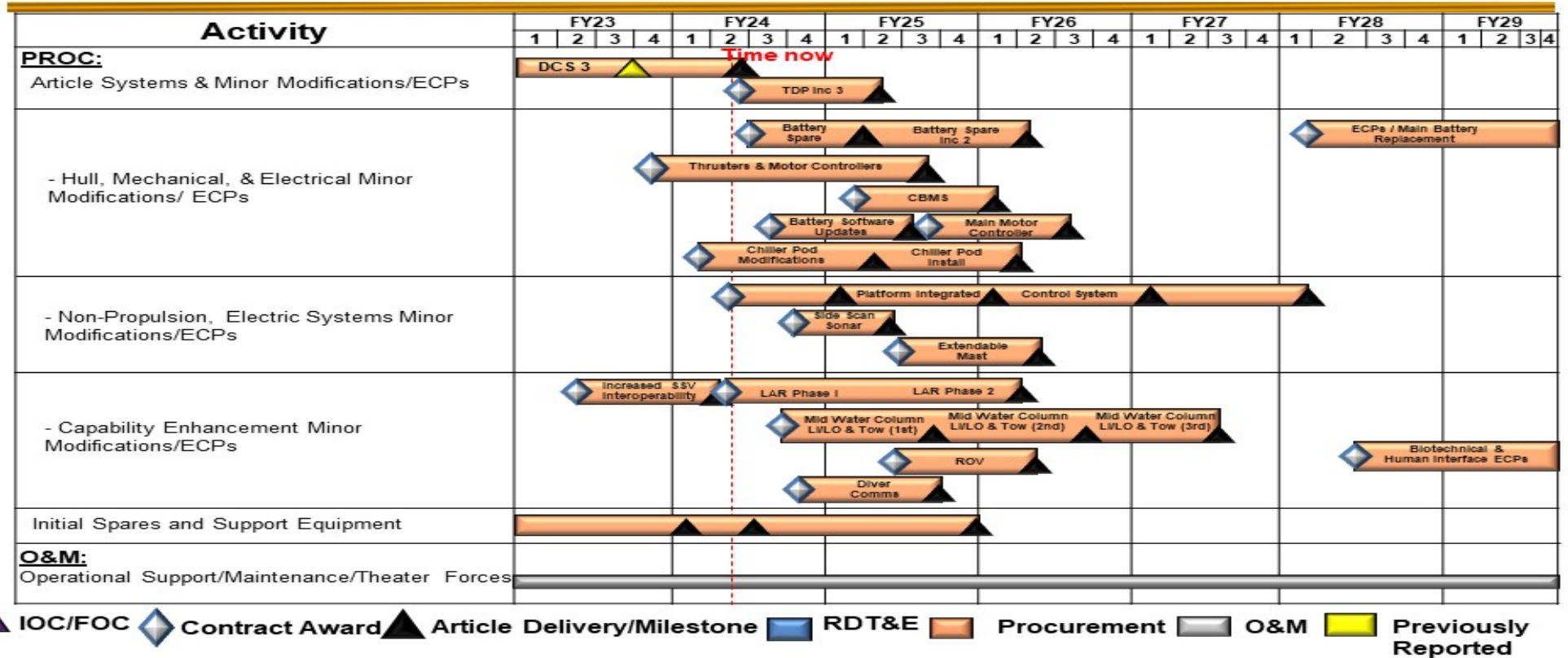
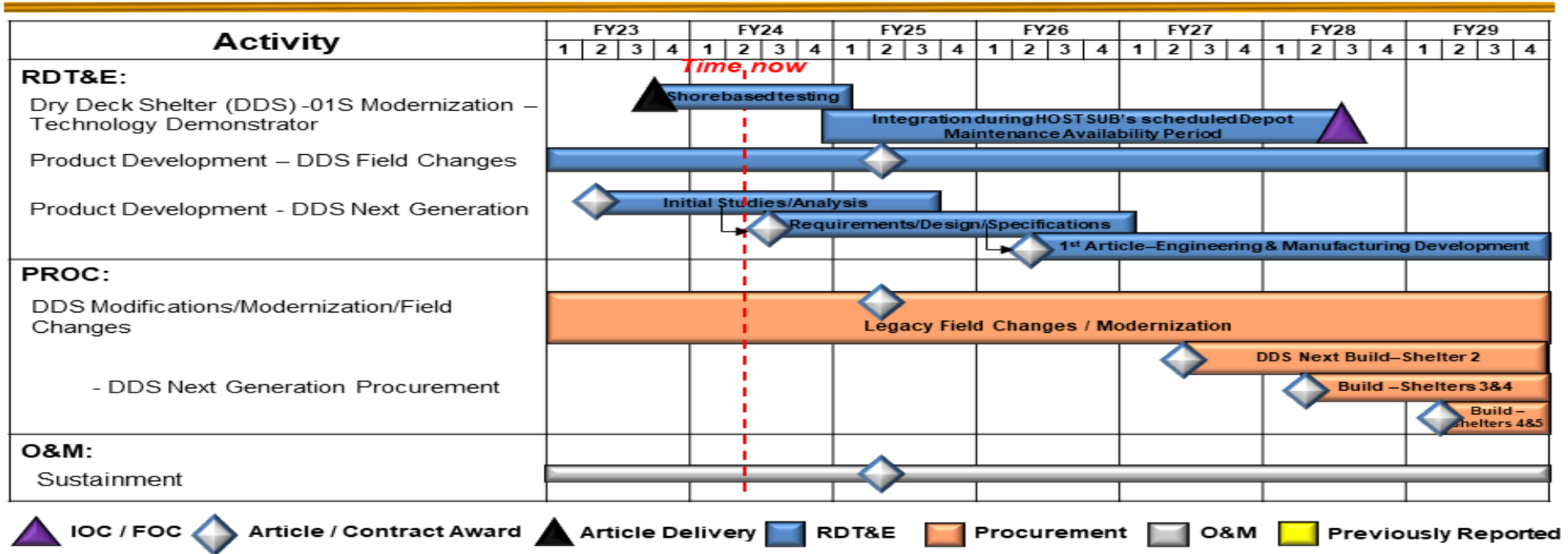


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / Maritime Systems	Project (Number/Name) S0417 / Underwater Systems

# Dry Deck Shelter (DDS) Schedule

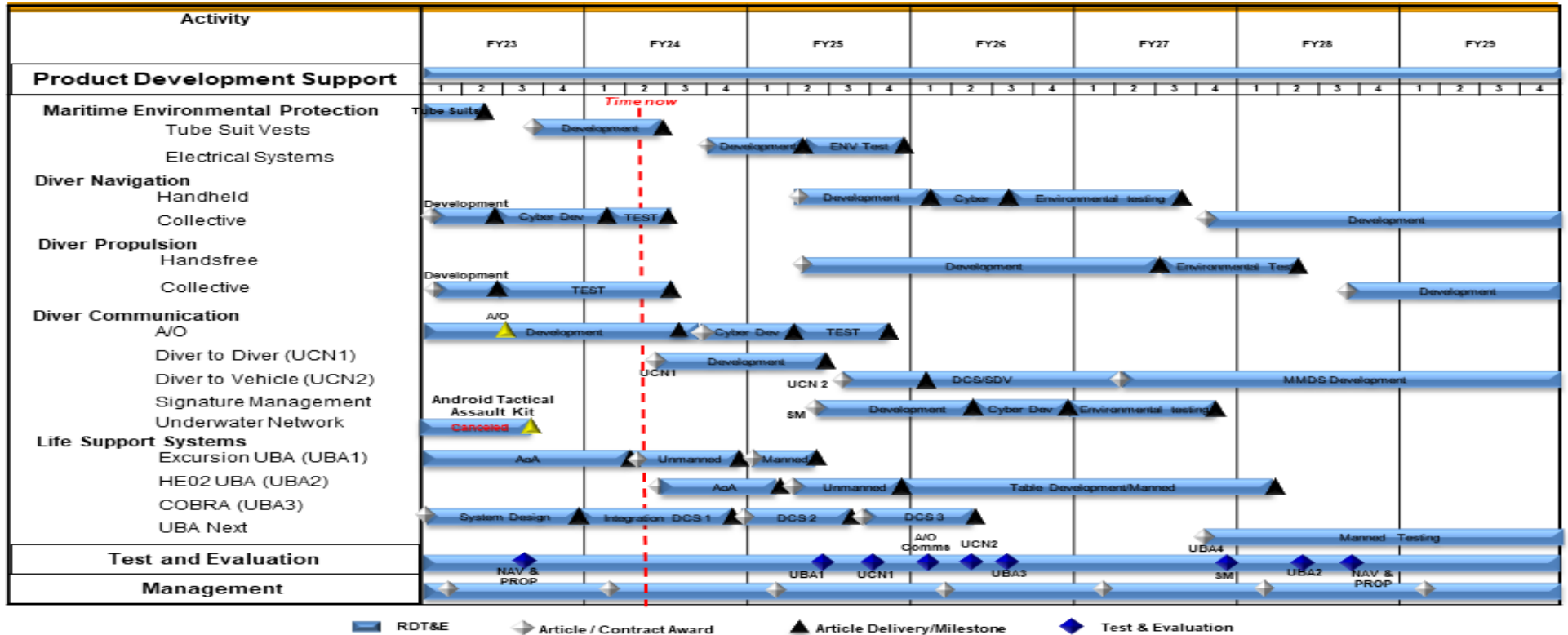


Appropriation/Budget Activity  
0400 / 7

R-1 Program Element (Number/Name)  
PE 1160483BB / Maritime Systems

Project (Number/Name)  
S0417 / Underwater Systems

## SOF Combat Diving (CBDIV) Schedule



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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command

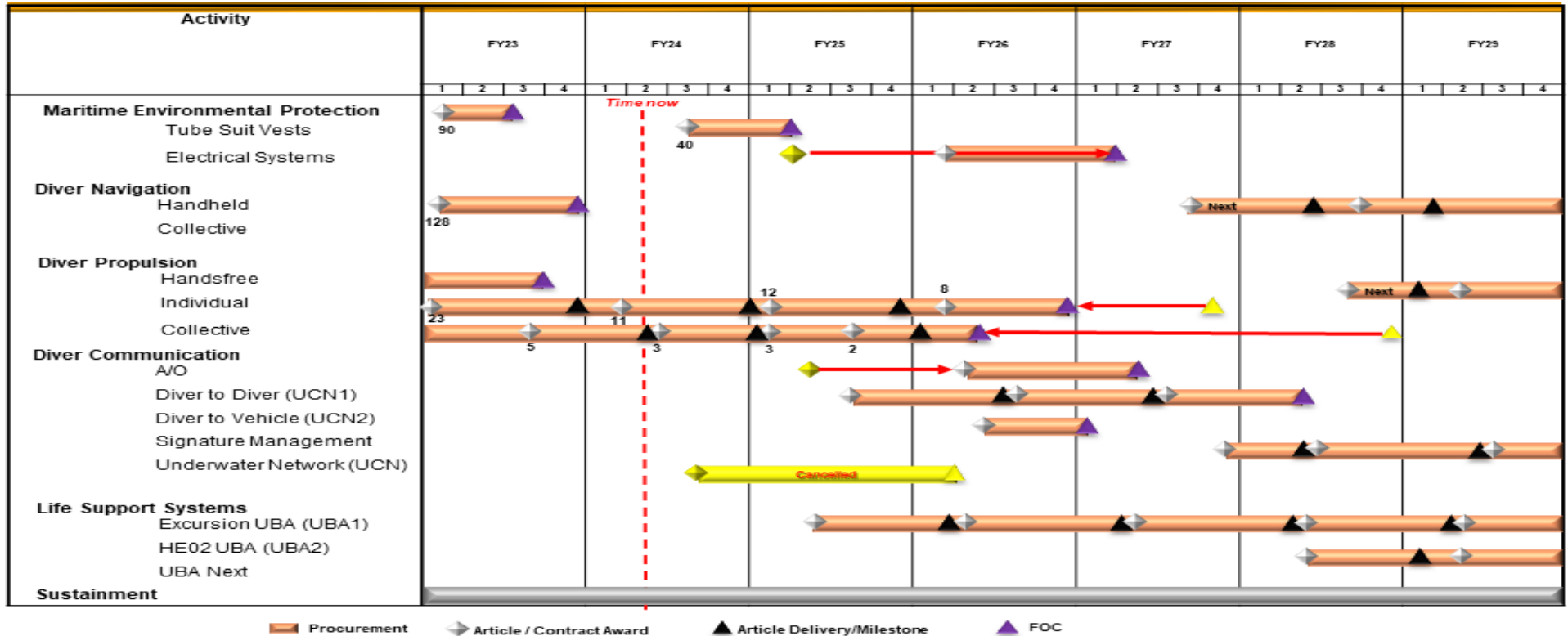
Date: March 2024

Appropriation/Budget Activity  
0400 / 7

R-1 Program Element (Number/Name)  
PE 1160483BB / Maritime Systems

Project (Number/Name)  
S0417 / Underwater Systems

## SOF Combat Diving (CBDIV) Schedule, cont.

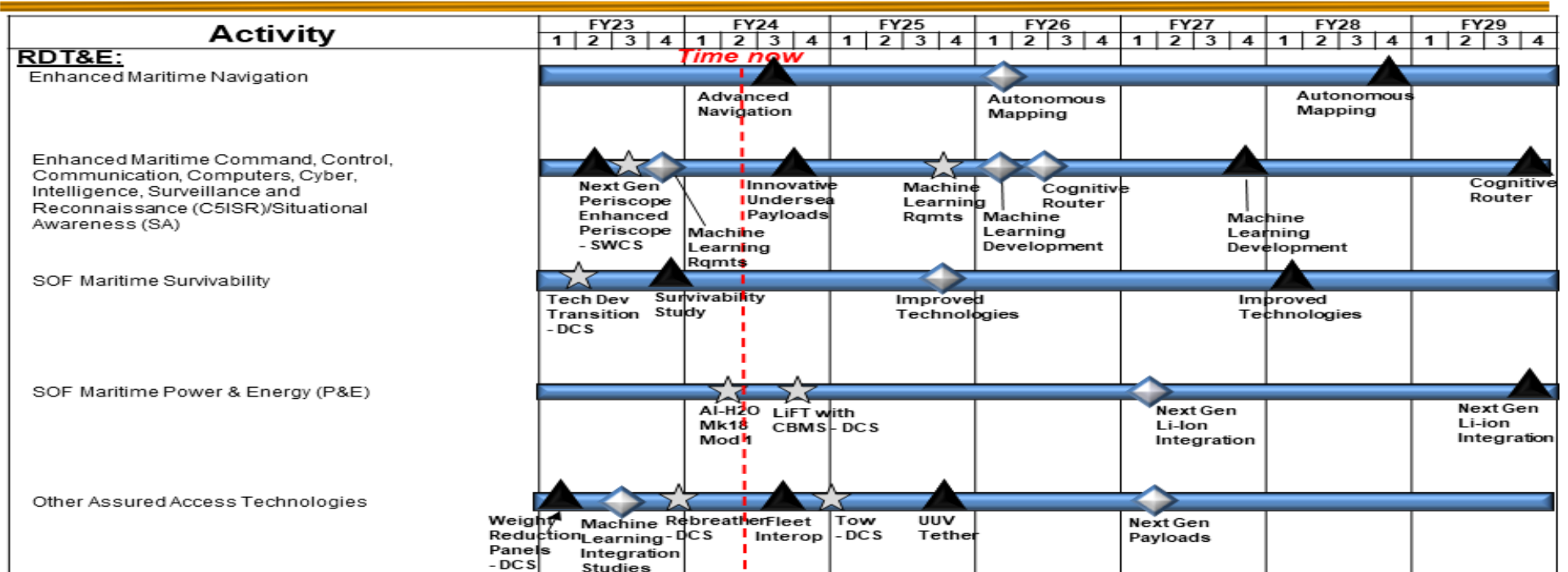


Appropriation/Budget Activity  
0400 / 7

R-1 Program Element (Number/Name)  
PE 1160483BB / Maritime Systems

Project (Number/Name)  
S0417 / Underwater Systems

# Undersea Craft Mission Equipment (UCME) Schedule



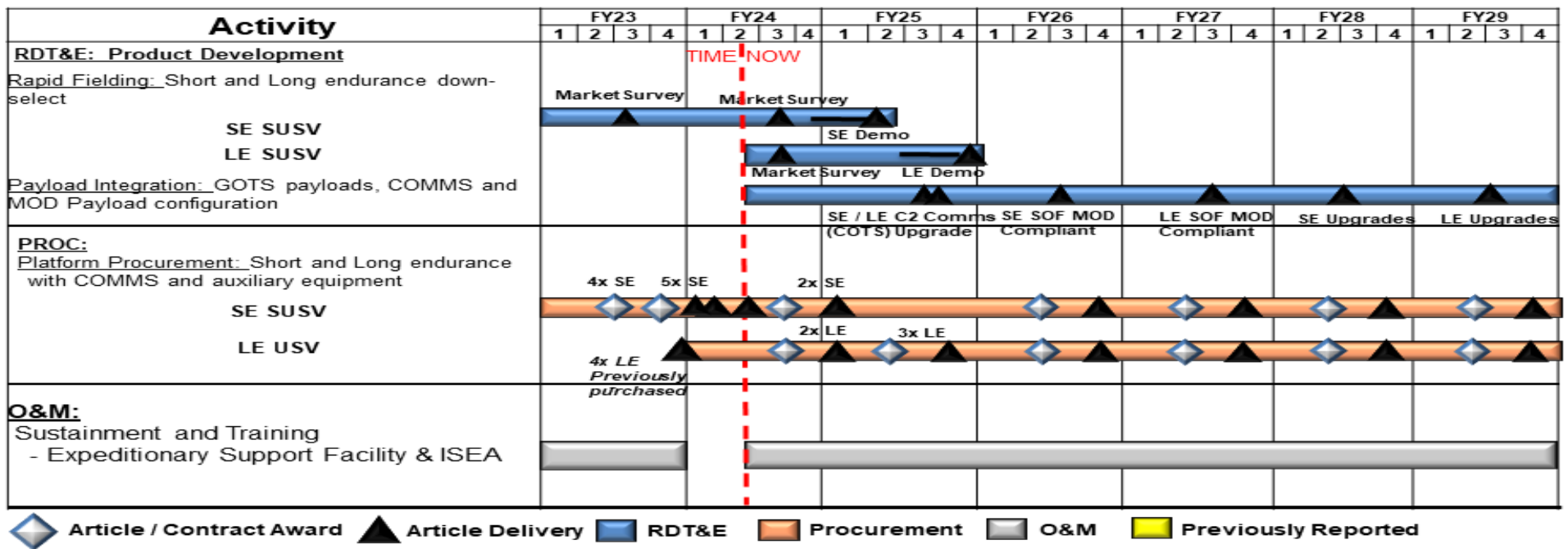
IOC/FOC
  Article / Contract Award / Obligation
  Article Delivery
  Article Transition
  RDT&E
  PROC
  O&M
  Previously Reported

AI-H2O – Aluminum SeaWater Battery      CBMS – Critical Battery Management System

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / Maritime Systems	<b>Project (Number/Name)</b> S0417 / Underwater Systems

# Small Unmanned Surface Vessel (SUSV) Schedule



**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>
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## Small Unmanned Underwater Vehicle (SUUV) Schedule

Activity	FY23				FY24				FY25				FY26				FY27				FY28				FY29							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
<b>RDT&amp;E:</b> Payload, Cyber and software development and Carry on Hardware (COH) testing for SOF-peculiar requirements																																
<b>PROC:</b> SOF COH and payload procurement and integration  (SUUV systems procured with Service Common MFP-2 funds)																																
<b>O&amp;M:</b> Sustainment																																

*Time now*

SOF Cyber, COH Testing and Payloads

SOF COH and Payloads

SOF MK18 MOD1 & MOD3 COH

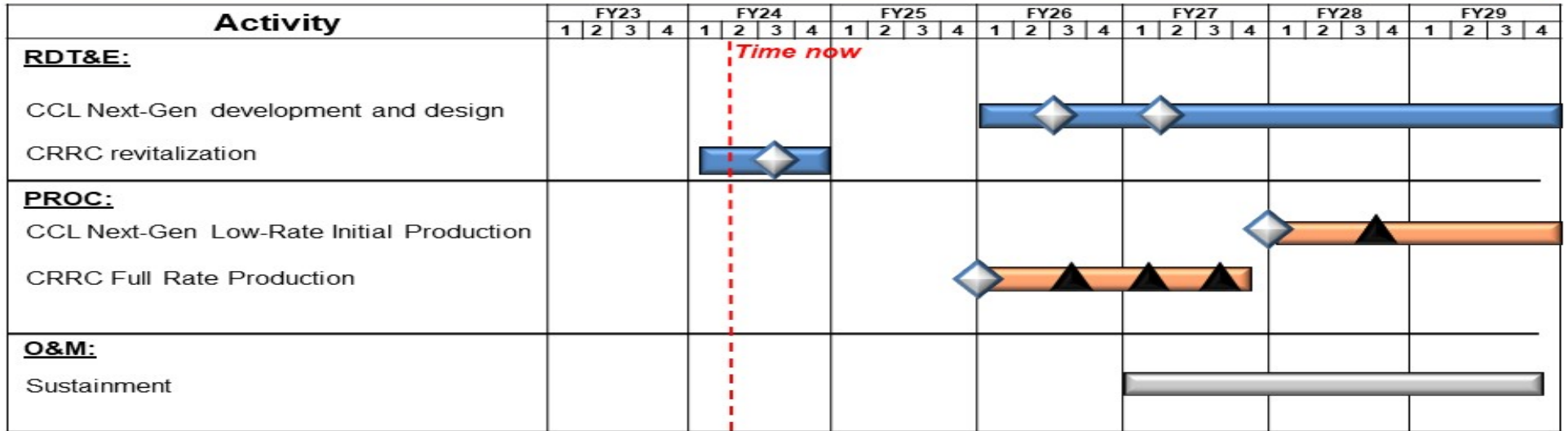
Article / Contract Award
  Article Delivery
  RDT&E
  Procurement
  O&M
  Previously Reported

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**Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>
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## Combatant Craft Light (CCL) Schedule



▲ IOC / FOC   
 ◆ Article / Contract Award   
 ▲ Article Delivery   
 ■ RDT&E   
 ■ Procurement   
 ■ O&M   
 ■ Previously Reported

CRRC = Combat Rubber Raiding Craft

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>SEAL Delivery Vehicle (SDV)</i></b>				
Engineering Changes/Technology Insertions/Pre-planned Product Improvements (P3I)	1	2023	4	2029
<b><i>Dry Combat Submersibles (DCS)</i></b>				
Enhancements/P3I	1	2023	4	2029
Operational Test and Evaluation	1	2023	3	2028
<b><i>Dry Deck Shelter Modernization (DDS)</i></b>				
DDS Modernization/Field Changes Product Development	1	2023	4	2029
DDS Next Product Development	2	2023	4	2029
<b><i>Special Operation Forces (SOF) Combat Diving</i></b>				
Life Support Systems Rapid Prototyping, Test, and Integration	1	2023	4	2029
Maritime Environmental Protection Rapid Prototyping, Test, and Integration	1	2023	4	2029
Diver Navigation Rapid Prototyping, Test, and Integration	1	2023	4	2029
Diver Propulsion Rapid Prototyping, Test, and Integration	1	2023	4	2029
Diver Communication Rapid Prototyping, Test, and Integration	1	2023	4	2029
<b><i>Undersea Craft Mission Equipment (UCME)</i></b>				
Enhanced Maritime Navigation	1	2023	4	2029
Enhanced Maritime Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR)/Situational Awareness	1	2023	4	2029
SOF Maritime Survivability	1	2023	4	2029
SOF Maritime Power & Energy (P&E)	1	2023	4	2029
Other Assured Access Technologies	1	2023	4	2029
<b><i>Small Unmanned Surface Vessel (SUSV)</i></b>				

**UNCLASSIFIED**

**Exhibit R-4A, RDT&E Schedule Details:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S0417 / <i>Underwater Systems</i>
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<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
Platform integration: Government off the Shelf (GOTS) payloads, COMMS and MOD Payload configuration	1	2025	4	2029
<b><i>Small Unmanned Underwater Vehicle (SUUV)</i></b>				
Payload, Cyber and Software Development and Carry On Hardware (COH) Testing for SO-p requirements	1	2026	4	2029
<b><i>Combatant Craft Light (CCL)</i></b>				
CCL Next-Gen development and design	1	2026	4	2029
CRRC Revitalization	1	2024	4	2026

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Special Operations Command										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 7					<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>				<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
S1684: <i>Surface Craft</i>	107.997	27.151	33.559	40.923	-	40.923	92.898	69.425	60.161	68.950	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

This project provides for the Engineering and Manufacturing Development (EMD) of combatant craft, combatant craft mission equipment, Pre-Planned Product Improvement (P3I), and technology insertion to meet the unique requirements of Special Operations Forces (SOF). This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to quickly respond to new requirements for maritime craft and subsystems, leading to increased lethality and survivability of personnel and equipment. The craft capabilities and unique equipment provide small, highly trained forces the ability to successfully conduct operations associated with SOF maritime missions.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> Combatant Craft Medium (CCM), Program Number 818	3.769	6.745	18.683
<p><b>Description:</b> The CCM is Naval Special Warfare's (NSW's) craft-of-choice for long-range, high-payload SOF mobility operations in contested environments. The CCM is a semi-enclosed, multi-mission combatant craft for platoon-size maritime operations in maritime contested environments. The CCM supports a variety of missions, to include Maritime Interdiction, Insert/Extract, and Visit, Board, Search, and Seizure (VBSS) Operations. The CCM capabilities provide: 40 knot (kt) speed; 4 crew + 19 passengers (pax)/10,000-pound (lb) payload; and 600 nautical miles (nm) range. The CCM payload capacity enables inclusion of shock mitigating seats for the piloting team, which is critical for ride quality, operator tactical readiness, and operator health. At 60 feet long, CCM is C-17/C-5 transportable and can launch/recover by well deck of a grey hull or shore-based trailer. The CCM is aligned with the 2022 National Defense Strategy (NDS) imperatives to enhance maritime security through patrols and surveillance missions, and its speed and agility combined with mobility enables rapid response and supports distributed Maritime operations when required. Continued investment in this craft ensures efficient and sustainable capabilities which establish our competitive advantage, enable assured access in contested maritime environments, and posture SOF and the Joint Force to meet challenges of persistent transboundary threats and future operating environments. Additionally, this platform provides access into contested areas to enable effects that may have previously required support from the Submarine Force, ensuring that NSW can continue supporting the joint fires plans even with an asset constrained submarine force.</p> <p><b>FY 2024 Plans:</b> Continue development and testing of Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) capabilities. Begin development of service life enhancing capabilities and analysis and studies for the development of CCM Mk2.</p> <p><b>FY 2025 Plans:</b></p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
Begins Engineering and Manufacturing Development (EMD) Phase for the CCM Mk2. <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$11.938 million supports continued CCM Mk2 design efforts, Critical Design Review, and development of the production representative article for the CCM Mk2 EMD Phase.				
<b>Title:</b> Combatant Craft Heavy (CCH), Program Number 819 <b>Description:</b> The CCH provides platoon-size maritime surface mobility. The current CCH is formerly known as the Sea, Air, Land Insertion, Observation and Neutralization (SEALION) craft. The CCH is a fully-enclosed, climate-controlled, semi-submersible craft that operates in contested environments. The CCH is NSW's most versatile and survivable combatant craft and the craft of-choice for sensitive maritime intelligence, surveillance, and reconnaissance missions. CCH capabilities: 40 kt speed; 7 crew + 12 pax / 3,300 lb payload; and 400 nm range. The CCH payload capacity enables inclusion of shock mitigating seats for the piloting team, which is critical for ride quality, operator tactical readiness, and operator health. At 77+ feet long, the CCH is C-17/ C-5 transportable and can launch/recover by gray hull well deck, shore based mobile travel lift, or crane. The CCH is aligned with the 2022 NDS imperatives to support SOF in the realm of strategic competition and provide regional presence and deterrence. By deploying these craft, NSW can demonstrate the U.S. military's commitment to allies and partners, deter potential adversaries, and respond rapidly to emerging threats. This aligns with the strategy's emphasis on maintaining a credible deterrent posture and strengthening alliances and partnerships. Continued investment in this craft ensures efficient and sustainable capabilities which establish our competitive advantage, enable assured access in contested maritime environments, and posture SOF and the Joint Force to meet challenges of persistent transboundary threats and future operating environments. Additionally, this platform provides access into contested areas to enable effects that may have previously required support from the Submarine Force, ensuring that NSW can continue supporting the joint fires plans even with an asset constrained submarine force. <b>FY 2024 Plans:</b> Continue development and integration of C5ISR/SA and survivability enhancements. <b>FY 2025 Plans:</b> Continues development and integration of C5ISR/SA and survivability enhancements. <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$0.020 million supports continued development and integration of C5ISR/SA and survivability enhancements.		3.608	0.975	0.995
<b>Title:</b> Combatant Craft Mission Equipment (CCME) <b>Description:</b> CCME supports the transition of Maritime focused Science and Technology (S&T) efforts and provides a rapid response capability to support SOF combatant craft systems, subsystems, and their emerging requirements. CCME also provides technology refresh efforts to correct system deficiencies, improve asset life, and enhance mission capability to leverage and exploit emerging technologies within the maritime SOF surface capability portfolio. CCME focuses on enhancing both existing and		7.566	8.095	8.164

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>future technologies at Technology Readiness Level (TRL) 6 for compatibility, maturity, and design for the marine environment, with the primary objective of successful technology transitions to SOF combatant craft Programs of Record.</p> <p><b>FY 2024 Plans:</b> Continue evaluation and development of surface survivability enhancements; enhanced C5ISR/SA capabilities; unique power and energy capabilities such as hybrid electric propulsion; Alternative Positioning, Navigation, and Timing (APNT); and enabling technologies for assured access and building enduring advantage, aligning to the 2022 NDS priorities. Begin a new maritime survivability radar countermeasures effort.</p> <p><b>FY 2025 Plans:</b> Continues ALTPNT capability development; continues development of the Mission Management System which will integrate current and future system displays into one software suite; begins unique power and energy capabilities such as hybrid electric propulsion; begins Artificial Intelligence/Machine Learning (AI/ML) data collection study to provide future enhancement to surface crafts; begins Small Unmanned Surface vehicles (USV) and Unmanned Systems (UxS) sensor/payload integration; continues studies to enhance craft survivability.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$0.069 million is due to a new Enhanced Maritime Navigation effort providing imperative ALTPNT data for GPS denied environments.</p>			
<p><b>Title:</b> Combatant Craft Assault (CCA), Program Number 820</p> <p><b>Description:</b> The CCA is a combatant craft for squad-size maritime mobility operations in contested environments. The CCA is NSW's best craft for Visit, Board, Search, Seizure operations because of open deck space, maneuverability, and interoperability with an Afloat Forward Staging Base. CCA Capabilities: 40 kt speed; 5 crew + 10 pax/5,000 lb payload; and 300 nm range. At 41 feet long, the CCA is air transportable by C-130/C-17/C-5 and can launch/recover by crane, well deck, or shore-based trailer. The CCA program adheres to the objectives of the 2022 NDS by accelerating its advantageous technology to the operating forces and enhances maritime security through patrols and surveillance missions; its speed and agility combined with mobility enables rapid response and supports distributed Maritime operations.</p> <p><b>FY 2024 Plans:</b> Continue development, integration, and testing of the Joint Threat Warning System (JTWS) and the Maritime Tactical Mission Networking (MTMN).</p> <p><b>FY 2025 Plans:</b> Continuing development, integration, and testing of MTMN and modernization efforts to reduce operational risk and ensure agility.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b></p>	0.914	2.007	1.732

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**Exhibit R-2A, RDT&E Project Justification:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
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Decrease of \$0.275 million is due to the divestiture of JTWS development.

<b>Title:</b> Maritime Precision Engagement (MPE), Program Number 671	10.716	10.125	2.725
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**Description:** The MPE is a standoff, loitering, man-in-the-loop weapons systems deployed on combatant craft and capable of targeting individuals, groups, vehicles, high value targets, and small oceangoing craft with low collateral damage. The MPE consists of combatant craft alterations and munition launcher systems. This program integrates kinetic and non-kinetic effects employed by SOF Combatant Craft to enable assured access in contested maritime environments and aligns with the 2022 NDS supporting strategic competition influence through Integrated Deterrence and building enduring competitive technological advantages for the future Joint Force.

**FY 2024 Plans:**

Continue development of craft modifications and operator control station to produce a fully integrated operational capability. Complete development of the CCM A-kit modifications and testing in preparation for transition to production. Complete development of the munition launcher B-kit to refine the EDM-2 MPE launcher. Accelerate completion of developmental testing and operational assessment. Continue planned product improvements.

**FY 2025 Plans:**

Complete integrated development testing, and system demonstration event. Continue with engineering support to establish baseline and configuration management control. Develop the final, Baseline 3, Technical Data Package (drawings) for CCM MK2

**FY 2024 to FY 2025 Increase/Decrease Statement:**

Decrease of \$7.400 million is due to directed shift of CCM MK1 integration to CCM MK2 future production.

<b>Title:</b> Special Operations Craft Riverine (SOCR), Program Number 821	0.578	0.612	0.624
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**Description:** The SOCR is an aluminum-hull mobility platform for use in riverine and littoral areas for short range insertion of SOF in low to medium threat environments and is C-130 transportable. The SOCR adheres to the objectives of the 2022 NDS by supporting the Regional Presence and Deterrence missions, demonstrating the U.S. military's commitment to allies and partners, deter potential adversaries, and respond rapidly to emerging threats.

**FY 2024 Plans:**

Continue development and testing of C5ISR capabilities [Comms Box and Next-Gen Combatant Craft Forward Looking Infrared (CCFLIR)] and continue to conduct pre-award preliminary studies for next generation SOF riverine craft to include (Next-Gen) hybrid electric propulsion options. Begin study for Next-Generation Riverine capability.

**FY 2025 Plans:**

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
Continues development and testing of C5ISR capabilities (Comms Box, Tactical Operations Center Network (TOCNET) and SEAFLIR) and craft armor replacement.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase of \$0.012 million supports development of SOCR armor upgrade testing due to obsolescence of current craft armor.			
<b>Title:</b> Classified Program	-	5.000	8.000
<b>Description:</b> Details provided under separate cover.			
<b>FY 2024 Plans:</b> Details provided under separate cover.			
<b>FY 2025 Plans:</b> Details provided under separate cover.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Details for increase of \$3.000 million provided under separate cover.			
<b>Accomplishments/Planned Programs Subtotals</b>	27.151	33.559	40.923

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PROC/0204SCCS: <i>Combatant Craft Systems</i>	94.598	55.064	66.455	-	66.455	41.541	96.209	98.868	91.389	Continuing	Continuing

**Remarks**

N/A

**D. Acquisition Strategy**

• The CCM MK1 was a two-phase source selection process. Phase I involved a Small Business Set-Aside competition for two vendors to design, build and deliver test articles. Phase II selected a single vendor to provide a fully integrated baseline craft system for test and evaluation with options for production, engineering support, and contractor logistics support. The CCM Mk2 will employ government engineering expertise and lessons learned to develop and field an evolutionary NSW combatant craft. The CCM program is utilizing the Major Capability Acquisition (MCA) pathway.

• The CCH SEALION I & II were transitioned from United States Navy advanced technology demonstrator craft to the USSOCOM. Sustainment for the CCH I, II, and III is conducted via Special Operations Forces Support Activity. The CCH is utilizing the MCA pathway.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b>	<b>R-1 Program Element (Number/Name)</b>	<b>Project (Number/Name)</b>
0400 / 7	PE 1160483BB / <i>Maritime Systems</i>	S1684 / <i>Surface Craft</i>

- The CCME will use streamlined Federal Acquisition Regulation (FAR) contracting with existing or planned Indefinite Delivery, Indefinite Quantity (IDIQ), Basic Ordering Agreement (BOA), University Affiliated Research Center (UARC), and Federally Funded Research and Development Center contracts and use Non-FAR Acquisition Authorities and Other Transaction Authority agreements and Military Interdepartmental Purchase Requests, where appropriate.
- The CCA will continue to develop, test, and integrate Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) capability enhancements required to increase the craft performance characteristics, reliability, and survivability. Exercised ordering period four of the five-year IDIQ contract supporting Capital Equipment Replacement Program. The CCA is utilizing the MCA pathway.
- The MPE will employ government engineering expertise and lessons learned to develop a common launch system for NSW combatant craft. A small quantity of initial production units will be procured through Naval Surface Warfare Center (Dahlgren), and the production decision for the remaining units will be based on the quantities identified in the validated CCM Mk2 requirement document. The MPE is designated a MTA program which uses the rapid fielding pathway.
- The SOCR will continue development and testing of C5ISR capabilities and continue the development, testing and integration of replacement craft armor. The SOCR utilizes the MCA pathway.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>
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<b>Product Development (\$ in Millions)</b>				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			
Combatant Craft Medium (CCM) Survivability Test and Evaluation	MIPR	NSW Carderock Combatant Craft Division : Norfolk, VA	-	1.758	Oct 2022	3.600	Apr 2024	2.000	Apr 2025	-		2.000	Continuing	Continuing	-
CCM Environmental Enclosure Kit	MIPR	NAVSEA : Washington D.C.	-	2.011	Nov 2022	-		-		-		-	0.000	2.011	-
CCM MK2 Design	SS/TBD	Various : Various	-	-		3.145	Apr 2024	4.000	Oct 2024	-		4.000	Continuing	Continuing	-
CCM Mk2 Development	C/Various	Various : Various	-	-		-		12.683	Jul 2025	-		12.683	Continuing	Continuing	-
Combatant Craft Heavy (CCH)	C/Various	Various : Various	12.691	3.608	Jan 2023	0.975	Jan 2024	0.995	Jan 2024	-		0.995	Continuing	Continuing	-
Combatant Craft Mission Equipment (CCME) Enhanced Maritime Navigation	C/Various	Various : Various	-	1.326	Nov 2022	1.742	Nov 2023	1.824	Nov 2024	-		1.824	Continuing	Continuing	-
CCME Enhanced Maritime C5ISR/Situational Awareness (SA)	C/Various	Various : Various	-	1.263	Nov 2022	0.810	Nov 2023	0.860	Nov 2024	-		0.860	Continuing	Continuing	-
CCME SOF Maritime Survivability	C/Various	Various : Various	-	3.405	Nov 2022	4.100	Nov 2023	4.000	Nov 2024	-		4.000	Continuing	Continuing	-
CCME SOF Maritime Power and Energy	C/Various	Various : Various	-	0.785	Nov 2022	0.656	Nov 2023	0.689	Nov 2024	-		0.689	Continuing	Continuing	-
CCME Other Assured Access Technologies	C/Various	Various : Various	-	0.787	Nov 2022	0.787	Nov 2023	0.791	Nov 2024	-		0.791	Continuing	Continuing	-
Combatant Craft Assault (CCA) Pre-Planned Product Improvement	C/Various	Various : Various	5.636	0.914	Nov 2022	2.007	Jan 2024	1.732	Mar 2025	-		1.732	Continuing	Continuing	-
Maritime Precision Engagement (MPE)	C/Various	NSWC : Dahlgren, VA	29.059	10.458	Dec 2022	9.855	Dec 2023	2.440	Dec 2024	-		2.440	Continuing	Continuing	-
Special Operations Craft Riverine (SOCR)	C/Various	Various : Various	-	0.578	Mar 2023	0.612	Mar 2024	0.624	Feb 2025	-		0.624	Continuing	Continuing	-
Classified Program	TBD	TBD : TBD	-	-		3.250		6.000		-		6.000	Continuing	Continuing	-
Prior Year Costs	C/Various	Various : Various	53.014	-		-		-		-		-	0.000	53.014	-
<b>Subtotal</b>			100.400	26.893		31.539		38.638		-		38.638	Continuing	Continuing	N/A

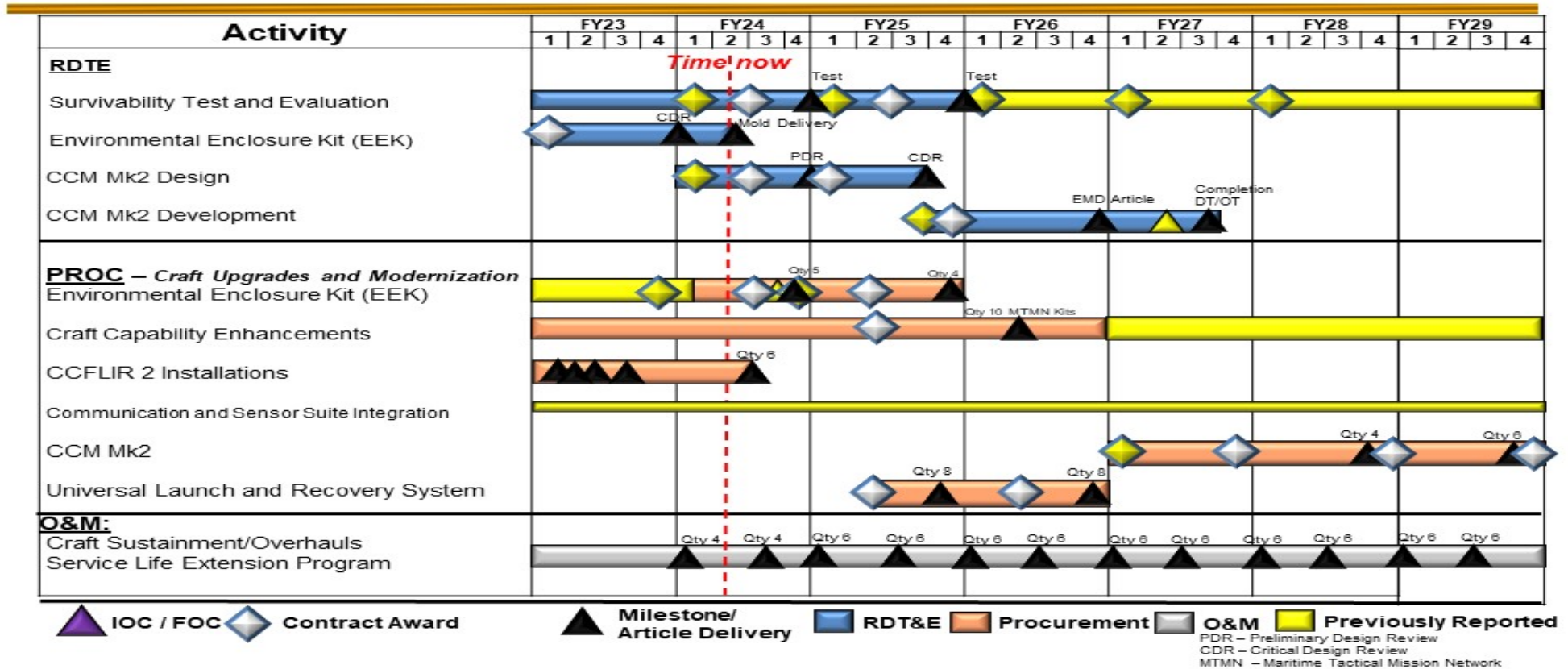


Appropriation/Budget Activity  
0400 / 7

R-1 Program Element (Number/Name)  
PE 1160483BB / Maritime Systems

Project (Number/Name)  
S1684 / Surface Craft

# Combatant Craft Medium (CCM) Schedule

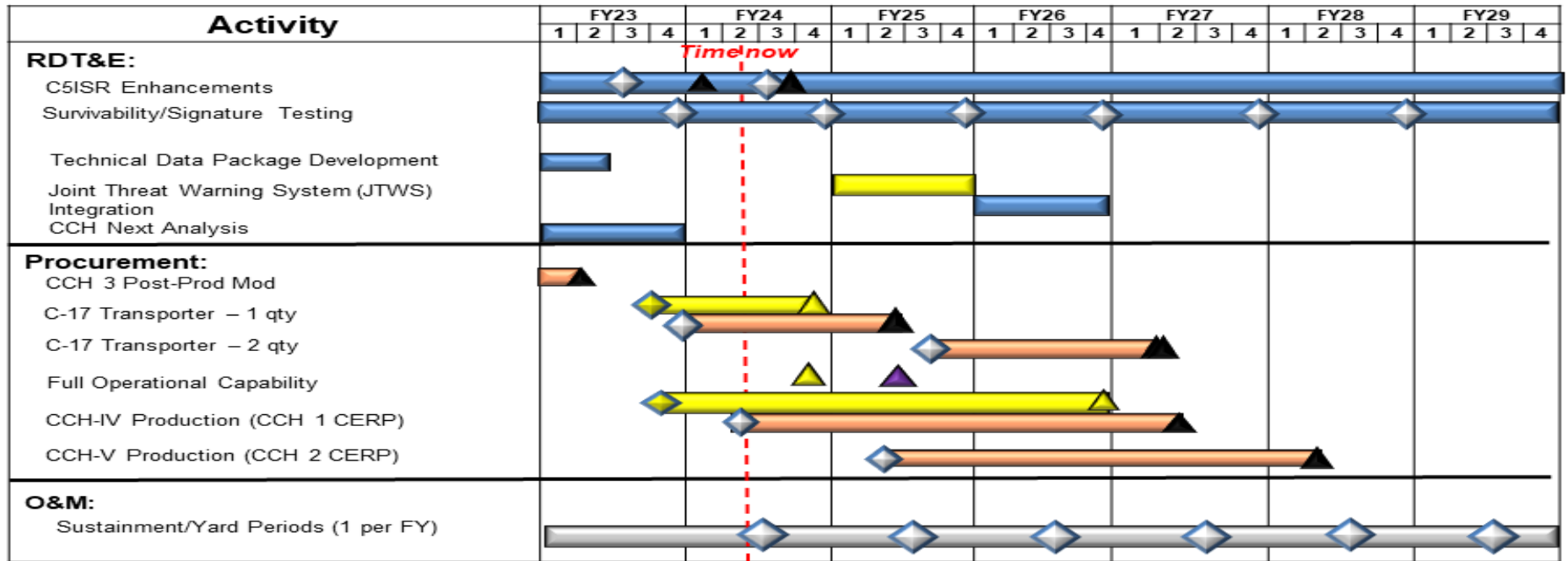


Appropriation/Budget Activity  
0400 / 7

R-1 Program Element (Number/Name)  
PE 1160483BB / Maritime Systems

Project (Number/Name)  
S1684 / Surface Craft

# Combatant Craft Heavy (CCH) Schedule



▲ IOC / FOC  
 ◆ Contract Award  
 ▲ Article Delivery  
 ■ RDT&E  
 ■ Procurement  
 ■ O&M  
 ■ Previously Reported

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command

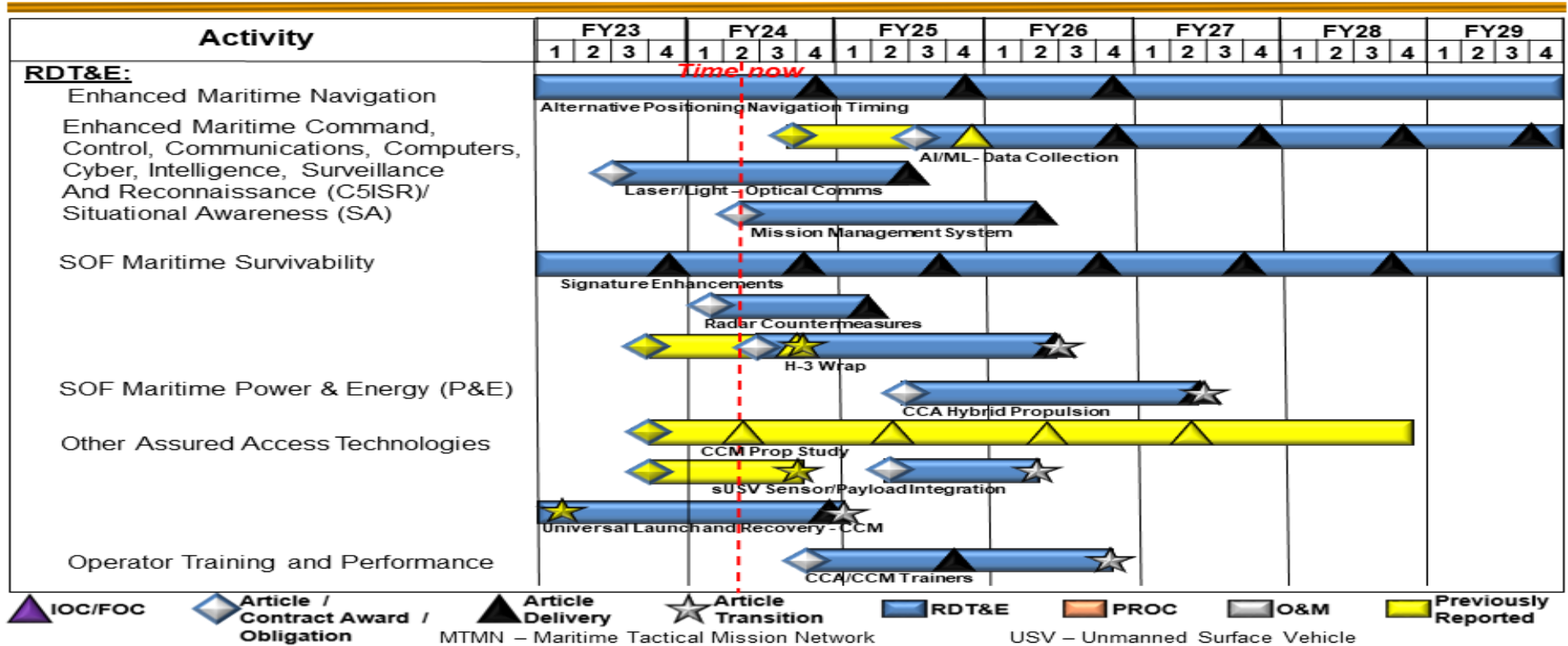
Date: March 2024

Appropriation/Budget Activity  
0400 / 7

R-1 Program Element (Number/Name)  
PE 1160483BB / Maritime Systems

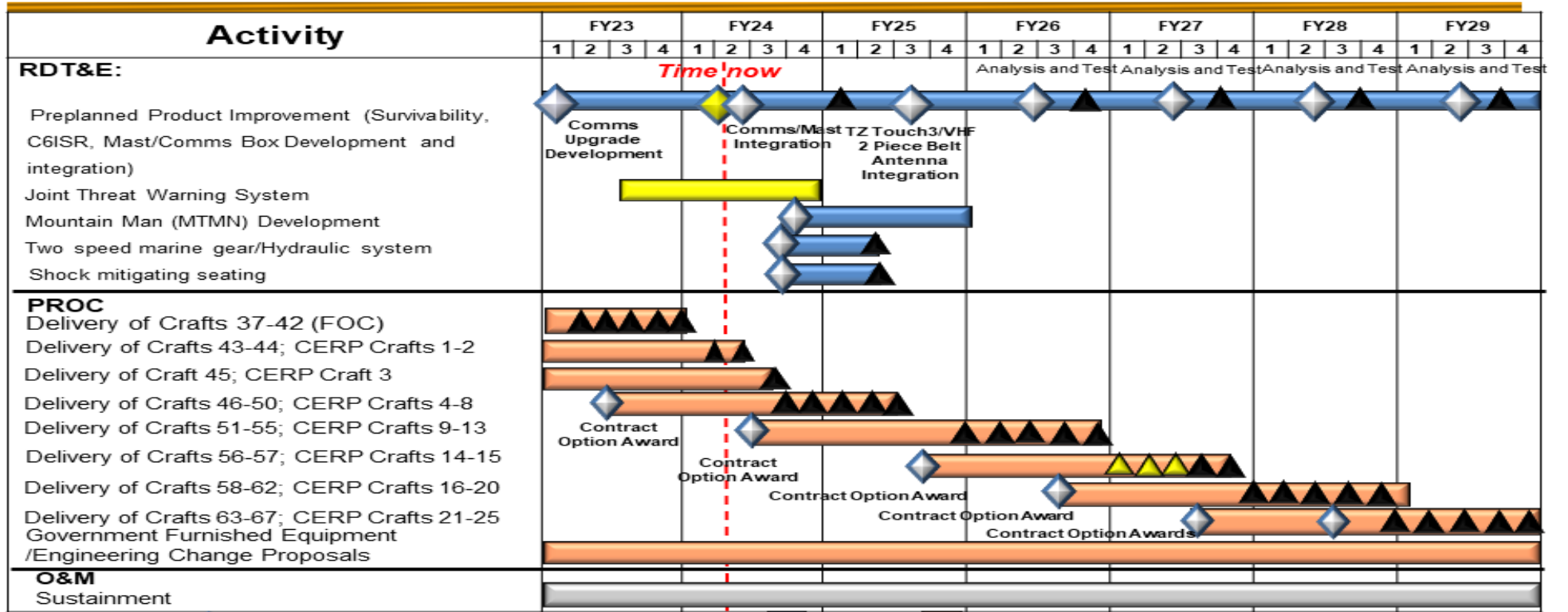
Project (Number/Name)  
S1684 / Surface Craft

# Combatant Craft Mission Equipment Schedule



Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / Maritime Systems	Project (Number/Name) S1684 / Surface Craft
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## Combatant Craft Assault (CCA) Schedule



▲ IOC / FOC   
 ◆ Article / Contract Award   
 ▲ Article Delivery   
 ■ RDT&E   
 ■ Procurement   
 ■ O&M   
 ■ Previously Reported

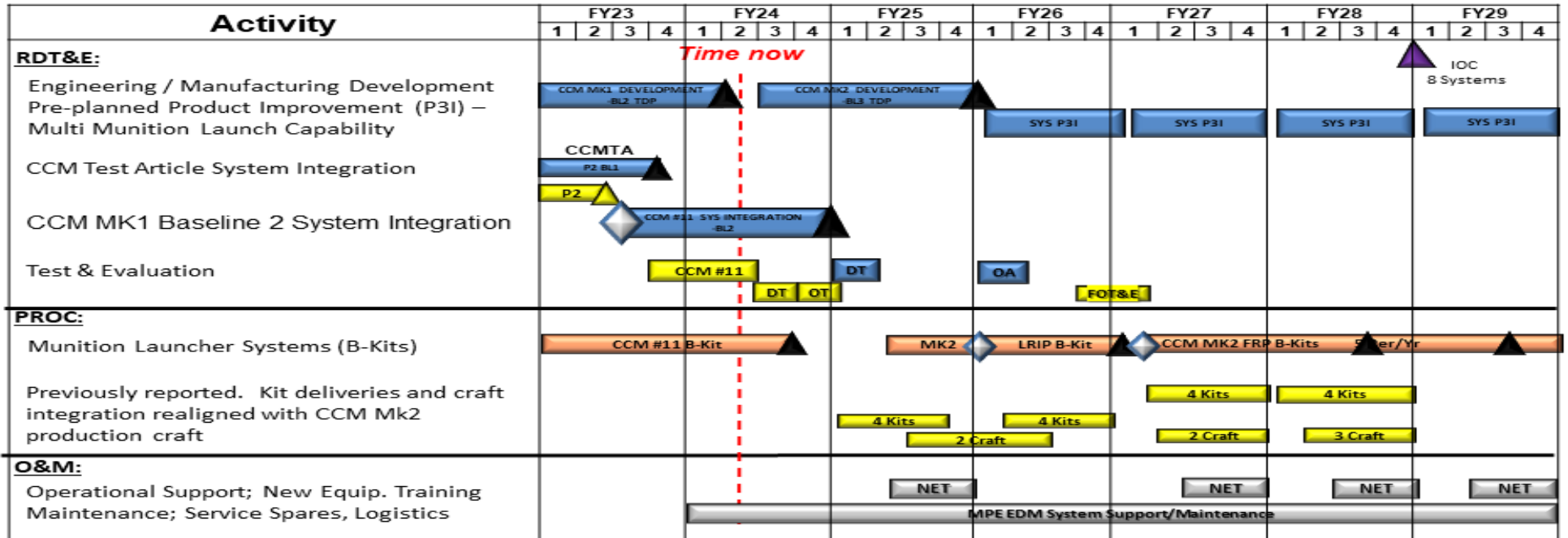
C6ISR - Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance   
 CERP -Capital Equipment Replacement Program  
 CCFLIR - Combatant Craft Forward Looking Infrared

Appropriation/Budget Activity  
0400 / 7

R-1 Program Element (Number/Name)  
PE 1160483BB / Maritime Systems

Project (Number/Name)  
S1684 / Surface Craft

# Maritime Precision Engagement (MPE) Schedule

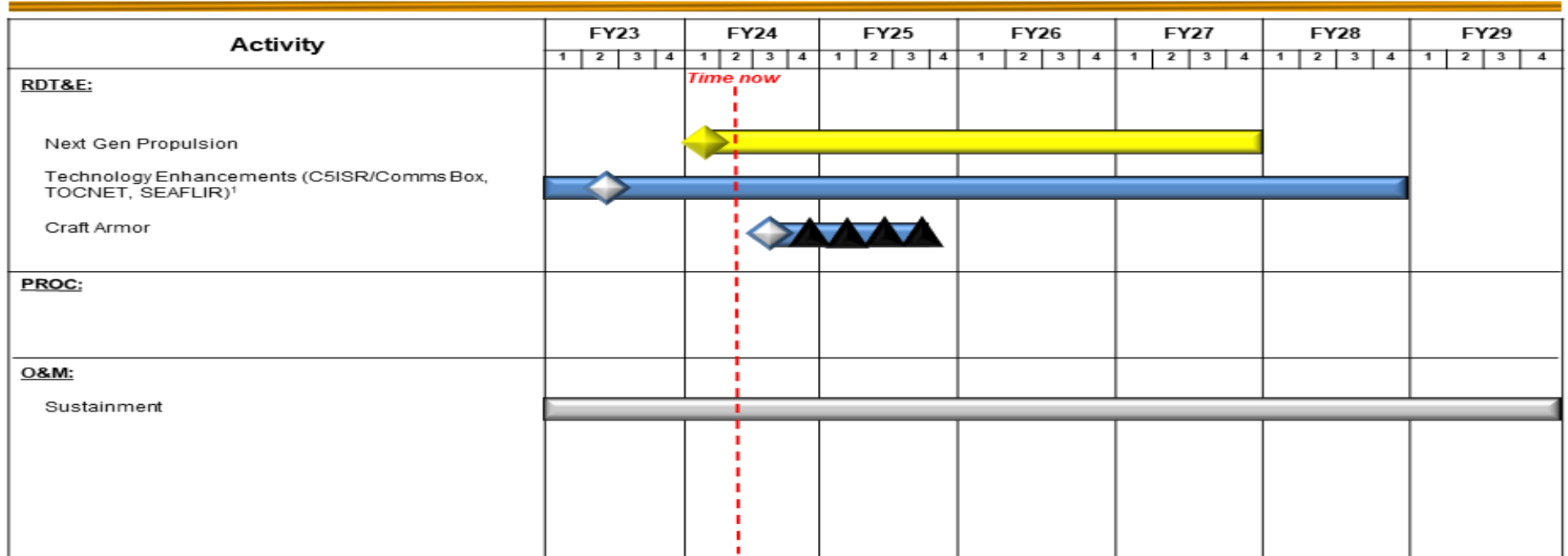


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**Exhibit R-4, RDT&E Schedule Profile:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>
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# Special Operations Craft Riverine (SOCR) Schedule



▲ IOC / FOC    
 ◆ Article / Contract Award    
 ▲ Article Delivery    
 ■ RDT&E    
 ■ Procurement    
 ■ O&M    
 ■ Previously Reported

C5ISR - Command Control, Computers, Communications, Cyber, Intelligence, Reconnaissance, Surveillance  
 TOCNET - Tactical unified Voice Management System  
 SEAFLIR - Sea Forward-Looking Infrared

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 United States Special Operations Command		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Combatant Craft Medium (CCM)</b>				
Survivability Test and Evaluation	1	2023	4	2025
Environmental Enclosure Kit (EEK)	1	2023	2	2024
CCM Mk2 Design	1	2024	4	2025
CCM MK2 Development	4	2025	3	2027
<b>Combatant Craft Heavy (CCH)</b>				
Preplanned Product Improvement (Weapons / C5ISR / Survivability)	1	2023	4	2029
Technical Data Package Development	1	2023	2	2023
Joint Threat Warning System Integration	1	2026	4	2026
CCH Next Analysis	1	2023	4	2023
<b>Combatant Craft Mission Equipment (CCME)</b>				
Enhanced Maritime Navigation	1	2023	4	2029
Enhanced Maritime C5ISR/Situational Awareness	2	2023	4	2029
SOF Maritime Survivability	1	2023	4	2029
SOF Maritime Power & Energy (P&E)	2	2025	2	2027
Other Assured Access Technologies	1	2023	2	2026
Operator Training and Performance	4	2024	4	2026
<b>Combatant Craft Assault (CCA)</b>				
Preplanned Product Improvement (Survivability, Weapons, C5ISR, Combatant Craft Forward Looking Infrared 2)	1	2023	4	2029
<b>Maritime Precision Engagement (MPE)</b>				
Engineering/Manufacturing Development	1	2023	4	2025
Preplanned Product Improvement - Multi-Munition Launch	1	2026	4	2029

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2025 United States Special Operations Command **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160483BB / <i>Maritime Systems</i>	<b>Project (Number/Name)</b> S1684 / <i>Surface Craft</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CCM Test Article Baseline 1 System Integration	1	2023	4	2023
CCM MK1 Baseline 2 System Integration	3	2023	4	2024
Test and Evaluation - DT/OA	1	2025	2	2026
<b><i>Special Operations Riverine Craft (SOCR)</i></b>				
Technology Enhancements (C5ISR, Next-Gen CCFLIR)	1	2023	4	2028
Craft Armor	3	2024	3	2025