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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 United States Special Operations Command **Date:** March 2023

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	644.694	60.345	112.645	158.231	-	158.231	179.852	323.286	249.925	273.533	Continuing	Continuing
S0417: <i>Underwater Systems</i>	554.545	42.997	88.309	124.672	-	124.672	143.392	188.902	125.966	145.269	Continuing	Continuing
S1684: <i>Surface Craft</i>	90.149	17.348	24.336	33.559	-	33.559	36.460	134.384	123.959	128.264	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. This Program Element 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 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. 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 provide small, highly trained forces the ability to successfully engage the enemy and conduct clandestine operations associated with SOF maritime missions. This project received a Congressional Add in FY 2022 for diver propulsion (\$4.200 million). This project received a Congressional Add in FY 2023, details will be provided under separate cover (\$30.000 million).

The Surface Craft project provides for the EMD of all combatant craft, combatant craft mission equipment, pre-planned product improvement, and technology insertion 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 craft capabilities and unique equipment provide small, highly trained forces the ability to successfully engage the enemy and conduct operations associated with SOF maritime missions.

The SOF Combat Diving Program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-9, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80. The purpose of the MTA pathway is to rapidly develop prototypes in support of SOF-Peculiar Life Support Systems, Marine Environmental Protection, Navigation, Propulsion, and Communication systems. The total cost of the Combat Diving Middle Tier of Acquisition effort is \$61.847 million (FY 2024 - FY 2028), including Research, Development, Test, and Evaluation (RDT&E) and procurement of prototype units. The SOF Combat Diving effort is fully funded across the Future Years Defense Program.

The total cost of the Maritime Precision Engagement (MPE) Middle Tier of Acquisition effort is \$79.015 million (FY 2024 - FY 2028), including RDT&E and procurement of prototype units. The MPE effort is fully funded across the Future Years Defense Program.

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The total cost of the SOF Small Unmanned Underwater Vehicle (SUUV) Middle Tier of Acquisition effort is \$13.529 million (FY 2024 - FY 2028), including RDT&E and procurement of prototype units. The SUUV effort is fully funded across the Future Years Defense Program.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	62.630	82.645	136.731	-	136.731
Current President's Budget	60.345	112.645	158.231	-	158.231
Total Adjustments	-2.285	30.000	21.500	-	21.500
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	30.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-2.285	-			
• Adjustments to Budget Year	-	-	21.500	-	21.500

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

Project: S0417: *Underwater Systems*

Congressional Add: *SOF Combat Diving Diver Propulsion*

Congressional Add: *Classified Program*

Congressional Add Subtotals for Project: S0417

Congressional Add Totals for all Projects

	FY 2022	FY 2023
	4.047	-
	-	30.000
Congressional Add Subtotals for Project: S0417	4.047	30.000
Congressional Add Totals for all Projects	4.047	30.000

Change Summary Explanation

Funding:

FY 2022: Net decrease of \$2.285 million is due to a reprogramming of funds to the Congressionally mandated Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR) programs.

FY 2023: Details for increase will be provided under separate cover (\$30.000 million).

FY 2024: Net increase of \$21.500 million is due to a transfer of funding for spiral development of Combatant Craft Light (CCL) MK2 from Operation and Maintenance (O&M), Defense-Wide, SAG 1PL7, Maintenance (\$2.267 million); an increase in Combatant Craft Medium (CCM) for the development of major service life enhancing capabilities and survivability testing to support craft modernization and sustainability (\$3.000 million); an increase in MPE as a result of a

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0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> / BA 7: <i>Operational Systems Development</i>	PE 1160483BB / <i>Maritime Systems</i>

transfer of funding from Procurement, Defense-Wide P-1 #72 Combatant Craft Systems for ongoing development of A & B kits into the CCM craft and test plan development (\$6.969 million); and an increase that will be provided under separate cover (\$9.264 million).

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command										Date: March 2023		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>				Project (Number/Name) S0417 / <i>Underwater Systems</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
S0417: <i>Underwater Systems</i>	554.545	42.997	88.309	124.672	-	124.672	143.392	188.902	125.966	145.269	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 the enemy and conduct clandestine operations associated with SOF maritime missions.

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

	FY 2022	FY 2023	FY 2024
Title: Sea, Air, and Land (SEAL) Delivery Vehicle (SDV), Program Number 848	3.204	1.070	1.092
Description: 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), 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 under SDV beginning in FY 2022 to better align with historical terminology and material solution. The SDV is aligned to the 2022 National Defense Strategy (NDS) supporting SOF in the strategic competition influence.			
FY 2023 Plans: Continue SDV MK 11 Pre-Planned Product Improvements (P3I). P3I enhancements include: Power and Energy; Acoustic and Radio Frequency indicators and warning capabilities; Electro-Optical/Infrared (EO/IR) sensor; payload improvements; and self recovery.			
FY 2024 Plans: Continues SDV MK 11 P3I. For FY 2024, the P3I enhancements will be focused on Power and Energy, EO/IR sensor, and Operator Situational Awareness (OSA) and MK 11 In-Service Engineering Agent operating cost.			
FY 2023 to FY 2024 Increase/Decrease Statement:			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
Increase of \$0.022 million supports continuing Pre-Planned Product Improvement (P3I) enhancements.			
<p>Title: Dry Combat Submersible (DCS) Now, Program Number 816</p> <p>Description: The DCS provides for the advanced development, engineering, manufacturing, and testing efforts for a surface launched, dry, diver lock-in/lock-out vessel capable of inserting and extracting SOF and/or payloads into denied areas. Article consists of one Engineering Development Model (EDM). The United States Special Operations Command (USSOCOM) tested one submersible prototype to validate test methodologies, commercial classification, and USOCOM safety certification processes and will continue to utilize the prototype 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, de-pressurization pump, and submarine/grey hull interoperability. The DCS is directly aligned with the 2022 NDS by building a resilient Joint Force and defense ecosystem.</p> <p>FY 2023 Plans: 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. Complete Follow On Operational Test and Evaluation (FOT&E).</p> <p>FY 2024 Plans: Continues the incorporation of P3I of DCS to include Navy submarine/grey hull interoperability, efforts to address obsolescence, and the continued insertion of UCME developed technologies.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease of \$0.555 million is due to completion of Follow-on Operational Test and Evaluation (FOT&E) and a programmatic shift to life cycle sustainment.</p>	6.209	4.349	3.794
<p>Title: Dry Deck Shelter (DDS) Modernization, Program Number 817</p> <p>Description: 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. The DDS is directly aligned with the 2022 NDS by supporting a resilient Joint Force used to deter aggression on multiple fronts around the world.</p> <p>FY 2023 Plans:</p>	1.405	3.081	12.423

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>Continue development of field changes necessary to extend the useful life of the DDS and increase capacity to carry larger payloads. Begin studies and analysis for future DDS.</p> <p>FY 2024 Plans: Continues 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. Continues development of legacy field changes necessary to extend the useful life and increase the payload capacity of six DDSs.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$9.342 million is due to the required efforts related to pre-milestone A for next generation DDS. FY 2024 funding required to support analysis and development of next generation DDS which include requirements generation, concept designs, and specifications. Future DDS will replace the 40+ year old legacy DDS in order to sustain SOF employment on U.S. Navy Host Submarines while improving performance, reliability and survivability.</p>			
<p>Title: SOF Combat Diving (CBDIV), Program Number 713</p> <p>Description: The SOF CBDIV program provides the EMD, testing, and rapid prototyping of SOF peculiar diving equipment that provides the SOF combat diver with the ability to engage the enemy and conduct operations. The SOF CBDIV will support the SDV, DCS, and surface craft with the conduct of infiltration/extraction, material recovery, underwater ship attack, beach clearance, and other missions. Technologies include, commercial and developmental life support, maneuverability and propulsion, diver navigational accuracy and situational awareness, environmental protection, and communications between dive teams as well as between divers and external vessels/craft. The SOF CBDIV is aligned with the 2022 NDS supporting SOF in the strategic competition influence. Continued investment in SOF CBDIV efficient and sustainable capabilities establish our competitive advantage and enable assured access into contested/denied regions.</p> <p>FY 2023 Plans: Continue development, prototyping and advanced development to include testing and evaluation of environmental protection, navigation, communication and propulsion equipment as well as an underwater breathing apparatus equipment material solution analysis.</p> <p>FY 2024 Plans: Continues 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>FY 2023 to FY 2024 Increase/Decrease Statement:</p>	2.905	3.249	4.617

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024	
Increase of \$1.368 million supports increased development, testing, and integration to support prototyping the helium and oxygen (HEO2) Underwater Breathing Apparatus (UBA).					
<p>Title: Undersea Craft Mission Equipment (UCME)</p> <p>Description: The UCME provides a rapid response capability to support SOF underwater craft and diver systems, subsystems, and their emerging requirements. The 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. The 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>FY 2023 Plans: Continue development of undersea survivability enhancements; underwater and maritime domain communications; enhanced Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, & Reconnaissance and 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.</p> <p>FY 2024 Plans: Continues development of undersea survivability enhancements; maritime navigation technology projects; underwater and maritime domain communications; enhanced 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. Begins ramping up the second increment enhanced maritime navigation technology projects, which will continue to provide enhanced capability to Maritime programs.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$4.856 million is due to the ramp up of the second increment enhanced maritime navigation technology projects, which will continue to provide enhanced capability to Maritime programs.</p>		16.485	12.711	17.567	
<p>Title: Small Unmanned Underwater Vehicle (SUUV), Program Number 799</p> <p>Description: The SUUV program 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 SOF-peculiar (SOF-p) modifications to the Service Common, Service resourced, SUUV.</p>		0.929	-	-	
<p>Title: Combatant Craft Light (CCL)</p> <p>Description: The CCL is a small combatant craft that supports deployment of six combat equipped SOF operators and their payloads for selected missions in multiple threat environments. Its compact form factor provides SOF with versatile mission transportability, deployment, and utility capabilities.</p>		-	-	2.267	

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
FY 2024 Plans: Begins design efforts and prototype development for the CCL MK2.			
FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$2.267 million supports the start-up of the CCL MK2 spiral development efforts.			
Title: Classified Programs Description: Details provided under separate cover.	7.813	33.849	82.912
FY 2023 Plans: Details provided under separate cover.			
FY 2024 Plans: Details provided under separate cover.			
FY 2023 to FY 2024 Increase/Decrease Statement: Details of \$49.063 million increase will be provided under separate cover.			
Accomplishments/Planned Programs Subtotals	38.950	58.309	124.672

	FY 2022	FY 2023
Congressional Add: SOF Combat Diving Diver Propulsion	4.047	-
FY 2022 Accomplishments: Continued development of the SOF Diver propulsion. Specific efforts target development, testing, certification, shore based use, Submarine and Surface craft carry-on approval of multiple battery subsystems supporting Collective and Individual diver propulsion devices.		
Congressional Add: Classified Program	-	30.000
FY 2023 Plans: Details provided under separate cover.		
Congressional Adds Subtotals	4.047	30.000

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PROC/0210US: <i>Underwater Systems</i>	28.327	52.631	66.111	-	66.111	66.759	108.613	349.473	514.401	Continuing	Continuing

Remarks

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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 procurement of production articles MK1111 - MK1114 to support Full Operational Capability increase to 14 MK11 articles. Sole source J&A in development with a target contract award date of March 2024. The full spectrum of contracting activities are 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.

- The DCS Now uses full and open competition, resulting in the selection of a single prime contractor and award of a Fixed Price Incentive Firm Target contract for three vessels. The DCS is a MCA program.

- The DDS is currently in sustainment through a maintenance and service contract which was competitively sourced, and awarded for a five-year period. The modernization and engineering/change efforts for the six DDS in inventory are executed utilizing the existing services contract. The DDS is a MCA program.

- The SOF Combat Diving Program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-9, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80. The purpose of the MTA pathway is to rapidly develop prototypes in support of SOF-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.

- 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.

- The SUUV Program will augment a Navy service common man-portable SUUV with purpose built, modular, plug-and-play sensors and payloads to meet SOF requirements using existing contracts, government agencies, and new contracts as appropriate. The SUUV is designated a Middle Tier of Acquisition (MTA) program which uses a rapid fielding pathway to integrate SOF-p modifications into the service provided UUV system.

- The CCL Mk2 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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command **Date:** March 2023

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
SEAL Delivery Vehicle (SDV)/Shallow Water Combat Submersible (SWCS) Engineering Changes	C/Variou s	Various : Various	3.688	3.204	Jan 2022	1.070	Jan 2023	1.092	Mar 2024	-		1.092	Continuing	Continuing	-
Dry Combat Submersible (DCS) Enhancements / Pre-Planned Product Improvement (P3I) Changes	C/Variou s	Various : Various	24.399	2.625	Nov 2021	2.199	Nov 2022	3.000	Nov 2023	-		3.000	Continuing	Continuing	-
Dry Deck Shelter (DDS) Field Changes/ Enhancements	C/Variou s	Various : Various	0.828	1.339	Jan 2022	2.814	Jan 2023	11.830	Jan 2024	-		11.830	Continuing	Continuing	-
Special Operation Forces (SOF) Combat Diving-Unique Diving Technologies	Various	Various : Various	9.502	1.598	Feb 2022	1.914	Feb 2023	3.432	Mar 2024	-		3.432	Continuing	Continuing	-
SOF Combat Diving (Congressional Add)	C/Variou s	Various : Various	11.383	4.047	Apr 2022	-		-		-		-	0.000	15.430	-
Undersea Craft Mission Equipment (UCME) Navigation, C5ISR/SA, Survivability, Power & Energy enhancements and other assured access technologies	C/Variou s	Various : Various	31.198	10.458	Nov 2021	11.916	Nov 2022	17.167	Nov 2023	-		17.167	Continuing	Continuing	-
UCME Navigation, C5ISR/ SA, Survivability, Power & Energy enhancements and other assured access technologies	MIPR	Naval Surface Warfare Center, Carderock Division, : West Bethesda, MD	-	1.100	Feb 2022	-		-		-		-	0.000	1.100	-
UCME Navigation, C5ISR/ SA, Survivability, Power & Energy enhancements and other assured access technologies	MIPR	NSA Panama City : Panama City, FL	-	1.500	Nov 2021	-		-		-		-	0.000	1.500	-

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
UCME Navigation, C5ISR/ SA, Survivability, Power & Energy enhancements and other assured access technologies	MIPR	Commander Naval Sea Systems Command : Washington Navy Yard, DC	-	1.600	Mar 2022	-		-		-		-	0.000	1.600	-
UCME Navigation, C5ISR/ SA, Survivability, Power & Energy enhancements and other assured access technologies	MIPR	UIC Naval Undersea Warfare Center Division, Newport : Newport, RI	-	1.250	Sep 2022	-		-		-		-	0.000	1.250	-
Small Unmanned Underwater Vehicle (SUUV) Payload Development	C/Various	Various : Various	0.963	0.929	Mar 2022	-		-		-		-	0.000	1.892	-
Combatant Craft Light (CCL) Requirements Integration, Redesign and Prototype Planning	C/Various	Various : Various	-	-		-		2.267	Mar 2024	-		2.267	Continuing	Continuing	-
Classified Program	C/TBD	TBD : TBD	6.355	5.513		26.900		66.736		-		66.736	Continuing	Continuing	-
Classified Program Congressional Add	C/TBD	TBD : TBD	-	-		30.000		-		-		-	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	358.950	-		-		-		-		-	0.000	358.950	-
Prior Year Funding (Congressional Add)	C/Various	Various : Various	14.100	-		-		-		-		-	0.000	14.100	-
Subtotal			461.366	35.163		76.813		105.524		-		105.524	Continuing	Continuing	N/A

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 Funding	Various	Various : Various	9.094	-		-		-		-		-	0.000	9.094	-
Subtotal			9.094	-		-		-		-		-	0.000	9.094	N/A

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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	30.646	1.945	Oct 2021	1.250	Nov 2022	-		-		-	Continuing	Continuing	-
SOF Combat Diving Developmental Test and Evaluation	Various	Various : Various	2.671	1.119	Oct 2021	1.129	Oct 2022	1.000	Oct 2023	-		1.000	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	13.809	-		-		-		-		-	0.000	13.809	-
Subtotal			47.126	3.064		2.379		1.000		-		1.000	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	Various	Apogee : Tampa, FL	21.903	1.639	Aug 2022	0.900	Aug 2023	0.794	Jun 2024	-		0.794	Continuing	Continuing	-
DDS	Various	NAVSEA : Washington, DC	2.806	0.066	Jan 2022	0.267	Jan 2022	0.593	Dec 2023	-		0.593	Continuing	Continuing	-
SOF Combat Diving	C/Variou	Apogee : Tampa, FL	0.713	0.188	Jul 2022	0.206	Aug 2023	0.185	Aug 2024	-		0.185	Continuing	Continuing	-
UCME	C/Variou	Various : Various	1.106	0.577	Dec 2021	0.795	Dec 2022	0.400	Jun 2024	-		0.400	Continuing	Continuing	-
Classified Sub-Project	TBD	TBD : TBD	1.100	2.300		6.949		16.176		-		16.176	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	9.331	-		-		-		-		-	0.000	9.331	-
Subtotal			36.959	4.770		9.117		18.148		-		18.148	Continuing	Continuing	N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
	Project Cost Totals		554.545	42.997	88.309	124.672	-	Continuing	Continuing

Remarks

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

Date: March 2023

Appropriation/Budget Activity
0400 / 7

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

Project (Number/Name)
S0417 / Underwater Systems

SEAL Delivery Vehicle Schedule

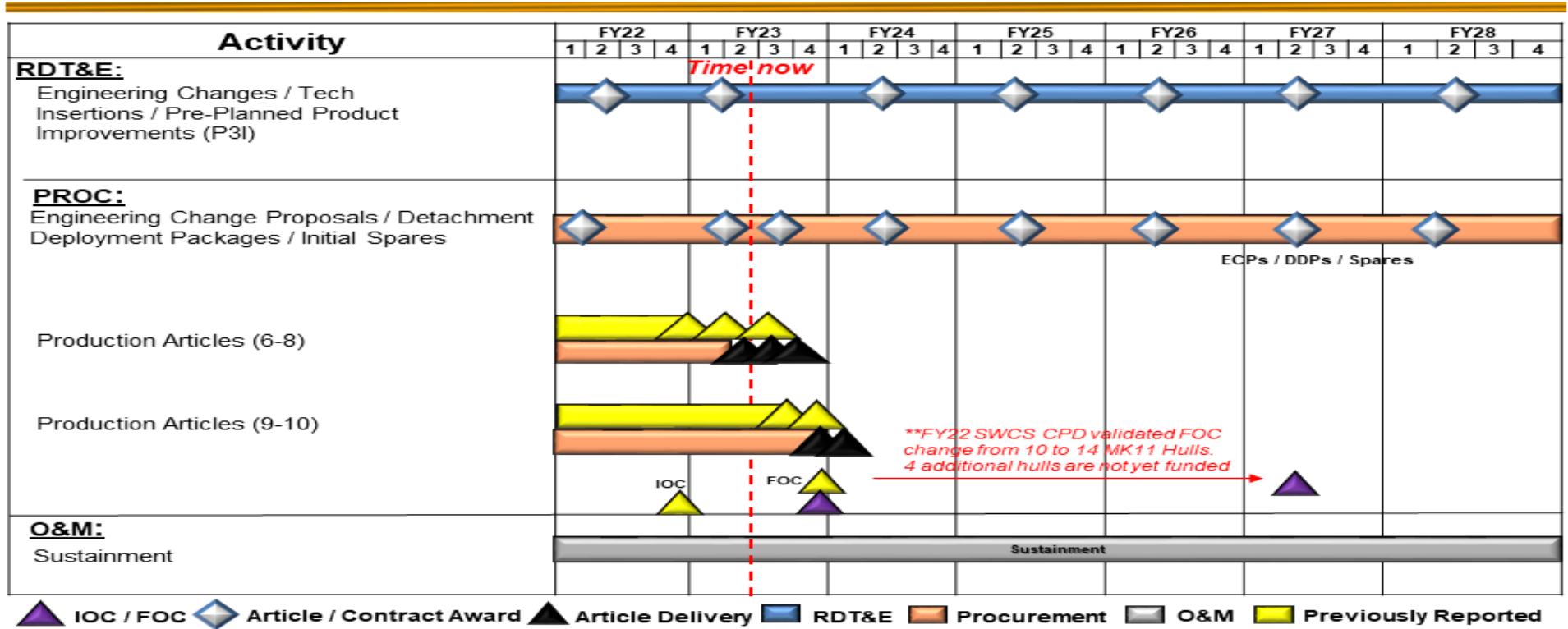
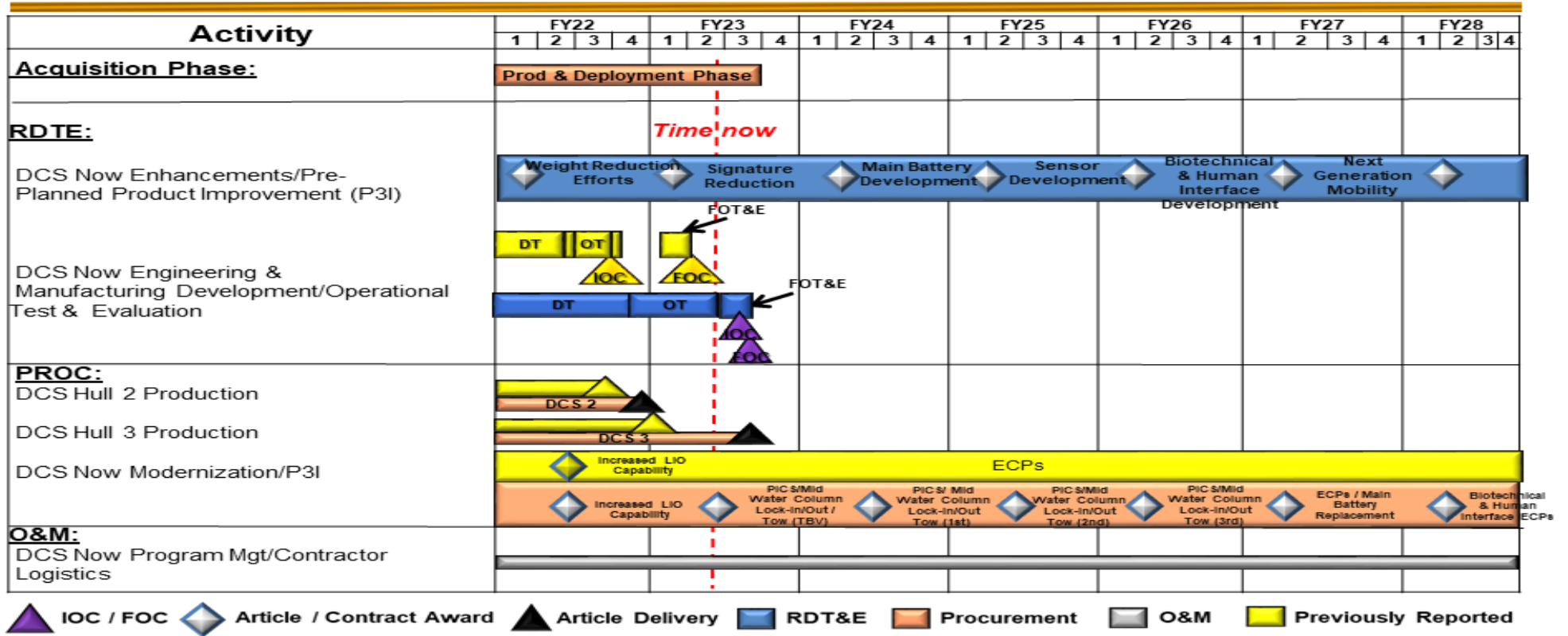


Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / Maritime Systems	Project (Number/Name) S0417 / Underwater Systems

Dry Combat Submersible Schedule



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

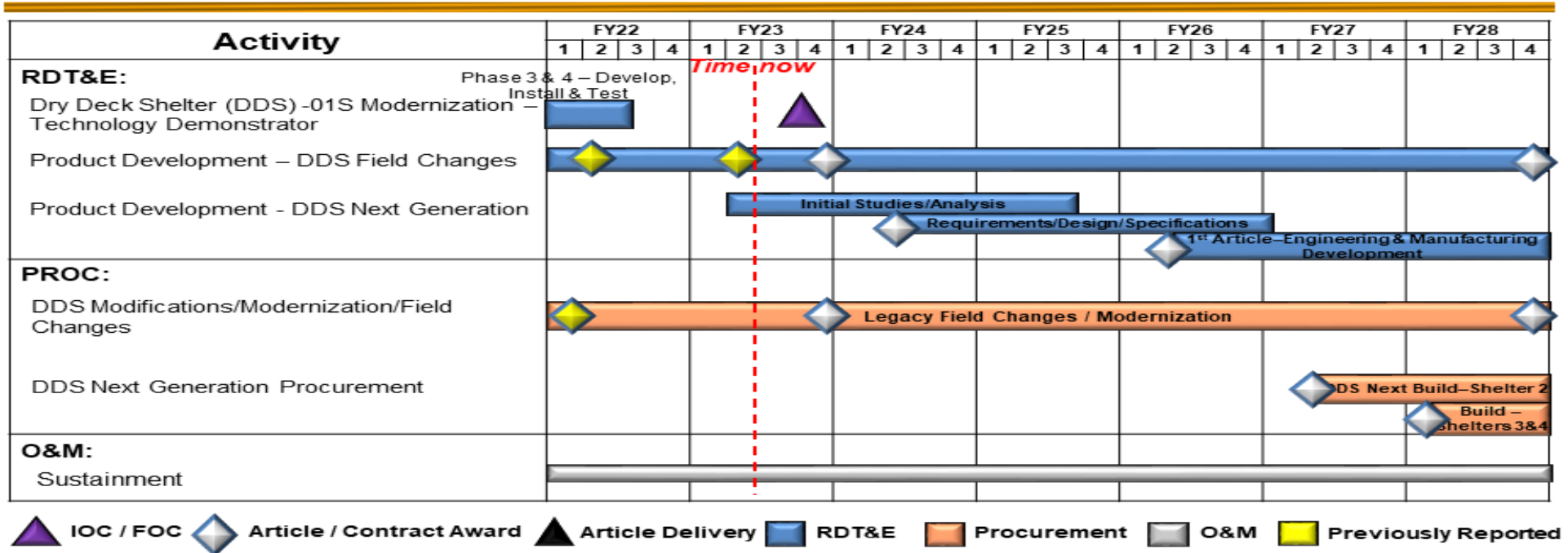
Date: March 2023

Appropriation/Budget Activity
0400 / 7

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

Project (Number/Name)
S0417 / Underwater Systems

Dry Deck Shelter Schedule



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

Date: March 2023

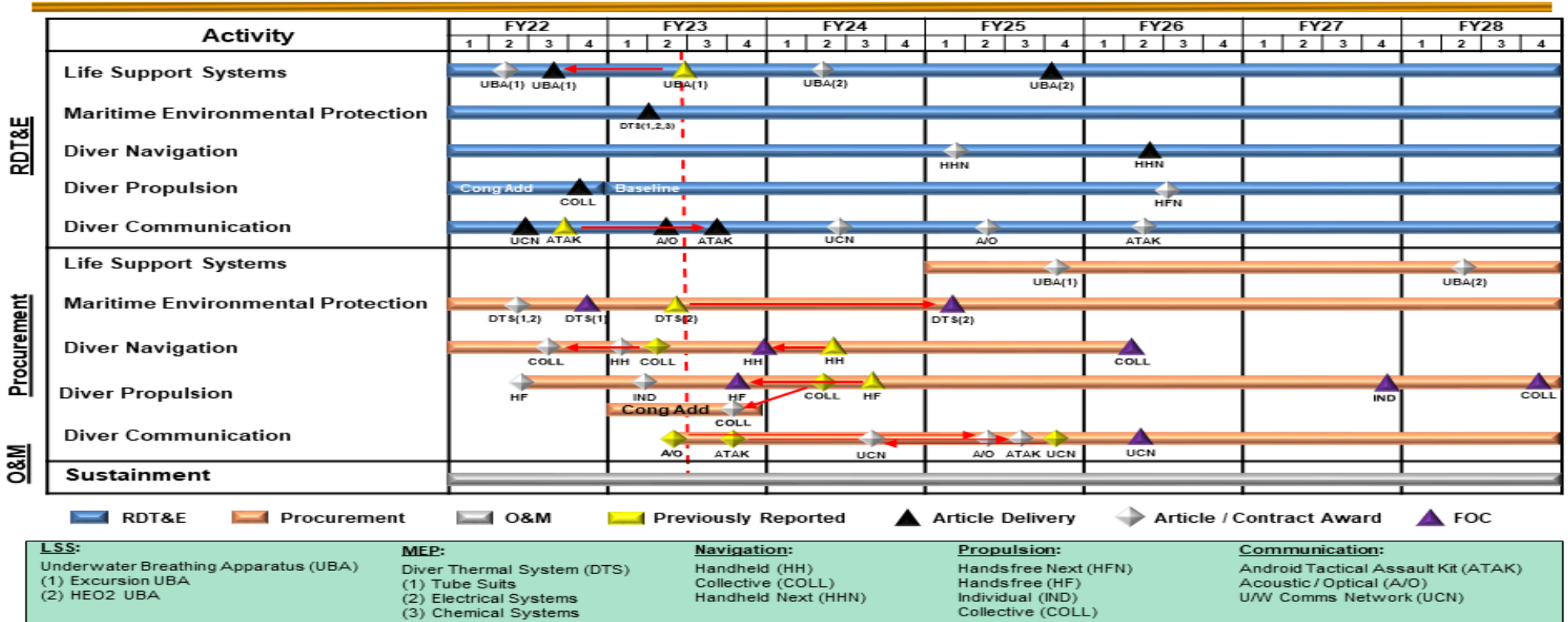
Appropriation/Budget Activity
0400 / 7

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

Project (Number/Name)
S0417 / Underwater Systems

SOF Combat Diving Schedule

Time now



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

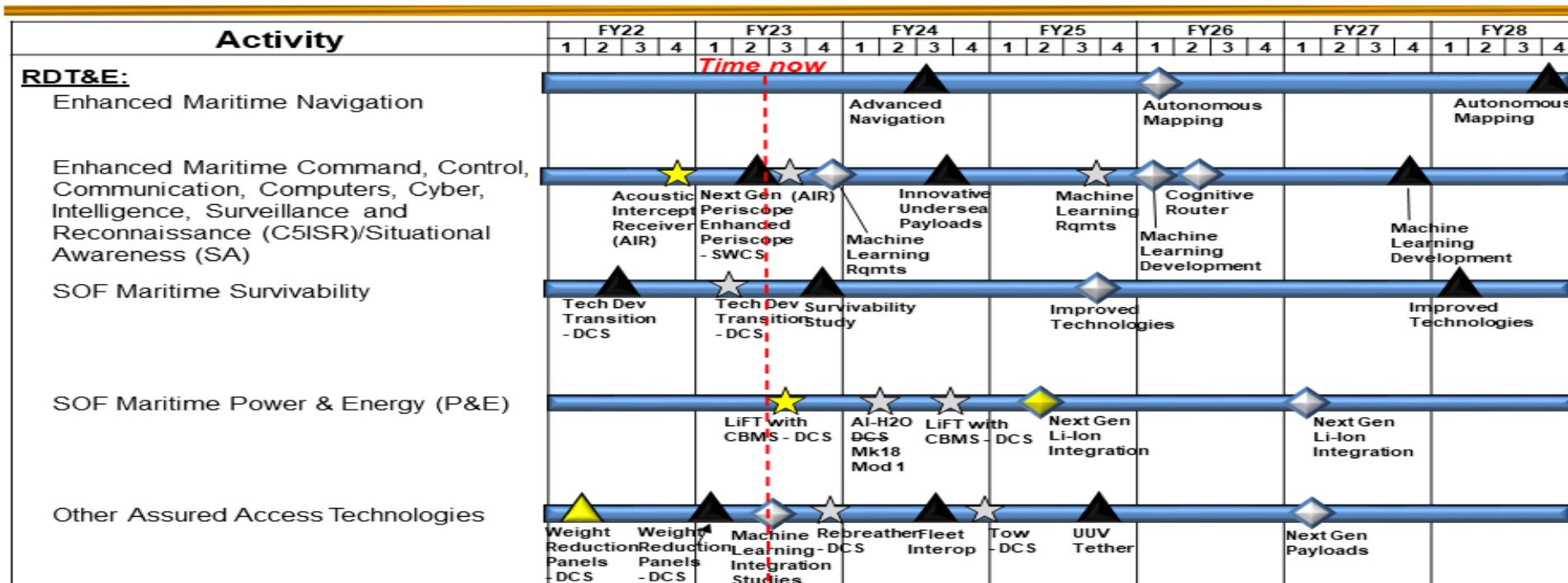
Date: March 2023

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 Schedule



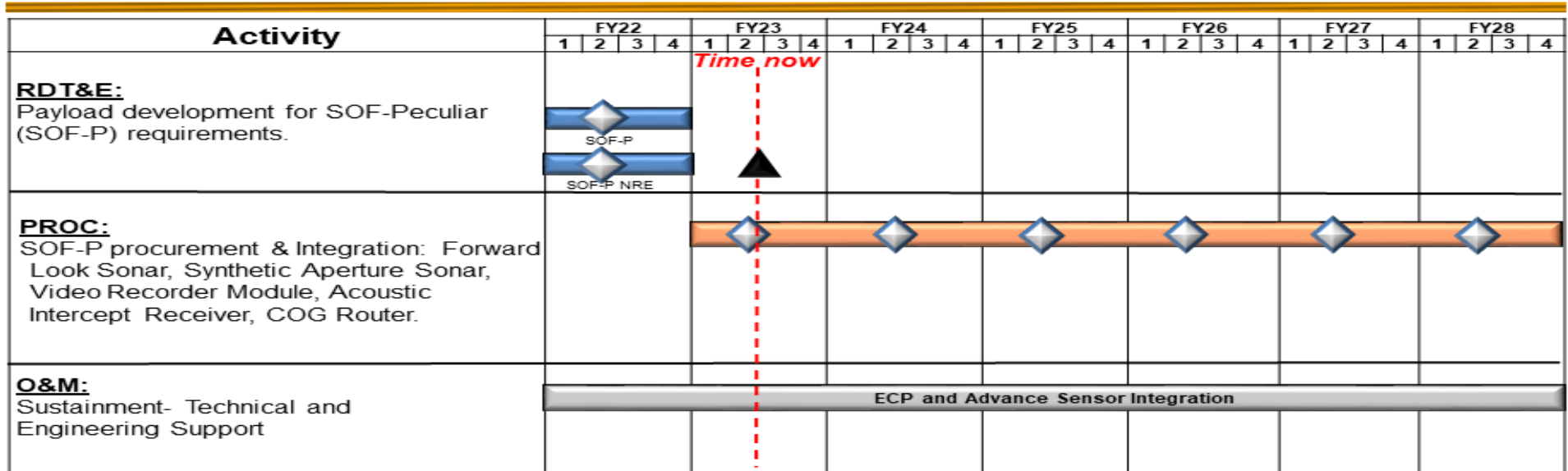
CBMS – Critical Battery Management System AI-H2O – Aluminum SeaWater Battery

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command **Date:** March 2023

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

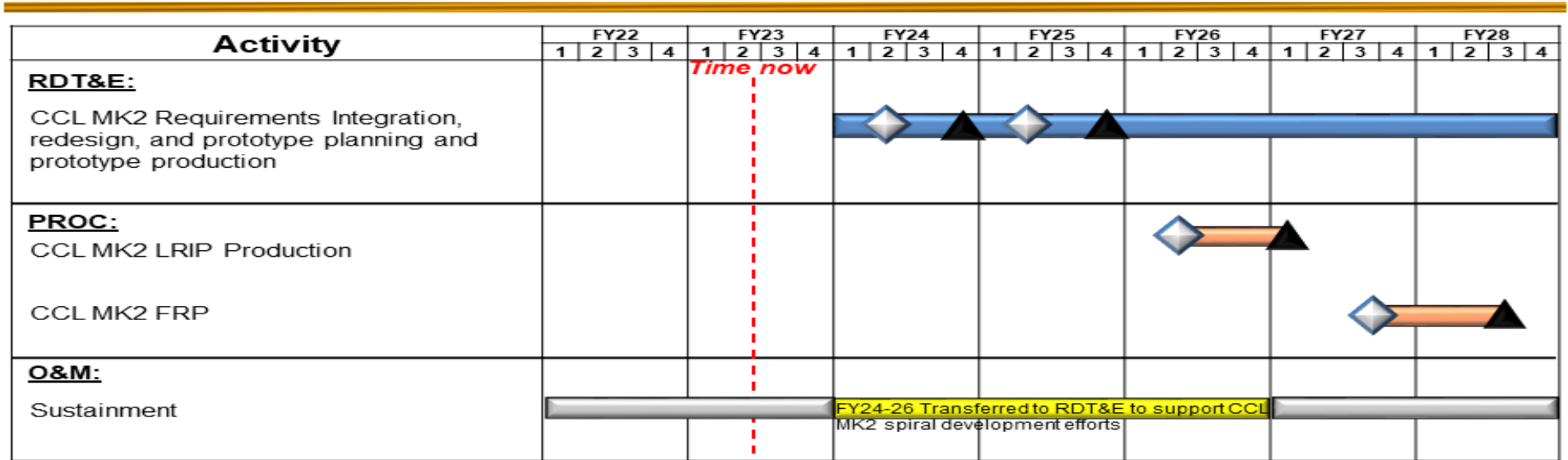


▲ IOC / FOC
 ◆ Article / Contract Award
 ▲ Article Delivery
 ■ RDT&E
 ■ Procurement
 ■ O&M
 ■ Previously Reported

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S0417 / <i>Underwater Systems</i>

Combatant Craft Light Schedule



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

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S0417 / <i>Underwater Systems</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
SEAL Delivery Vehicle (SDV)				
Engineering Changes/Technology Insertions/Pre-planned Product Improvements (P3I)	1	2022	4	2028
Dry Combat Submersibles (DCS) Now				
Enhancements/P3I	1	2022	4	2028
Developmental Test and Evaluation	1	2022	4	2022
Operational Test and Evaluation	4	2022	3	2023
Dry Deck Shelter Modernization (DDS)				
DDS Phase 3 & 4 Development, Install, and Test O1S - Modernization Technology Demonstrator	1	2022	3	2022
DDS Modernization Product Development	1	2022	4	2028
DDS Next Product Development	2	2023	4	2028
Special Operation Forces (SOF) Combat Diving				
Life Support Systems Rapid Prototyping, Test, and Integration	1	2022	4	2028
Maritime Environmental Protection Rapid Prototyping, Test, and Integration	1	2022	4	2028
Diver Navigation Rapid Prototyping, Test, and Integration	1	2022	4	2028
Diver Propulsion Rapid Prototyping, Test, and Integration	1	2022	4	2028
Diver Communication Rapid Prototyping, Test, and Integration	1	2022	4	2028
Undersea Craft Mission Equipment (UCME)				
Enhanced Maritime Navigation	1	2022	4	2028
Enhanced Maritime Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR)/Situational Awareness (SA)	1	2022	4	2028
Special Operations Forces (SOF) Maritime Survivability	1	2022	4	2028
SOF Maritime Power & Energy (P&E)	1	2022	4	2028

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 United States Special Operations Command **Date:** March 2023

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S0417 / <i>Underwater Systems</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Other Assured Access Technologies	1	2022	4	2028
<i>Small Unmanned Underwater Vehicle (SUUV)</i>				
Pre-Planned Product Improvement - Payload Development	1	2022	4	2022
<i>Combatant Craft Light (CCL)</i>				
MK2 Requirements Integration, Redesign, and Prototype Planning	1	2024	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command **Date:** March 2023

Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>				Project (Number/Name) S1684 / <i>Surface Craft</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
S1684: <i>Surface Craft</i>	90.149	17.348	24.336	33.559	-	33.559	36.460	134.384	123.959	128.264	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the Engineering and Manufacturing Development 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. 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)

	FY 2022	FY 2023	FY 2024
Title: Combatant Craft Medium (CCM), Program Number 818	0.989	3.600	6.745
Description: The CCM is a semi-enclosed multi-mission combatant craft for platoon-size maritime mobility in maritime contested environments. It is multi-mission capable, including Maritime Interdiction, Insert/Extract, and Visit, Board, Search, and Seizure (VBSS) Operations. The CCM is Naval Special Warfare's (NSW) craft-of-choice for long-range, high-payload SOF mobility operations in contested environments. The CCM has NSW's best Iron Triangle: 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, 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 or shore based trailer. The CCM is aligned with the 2022 National Defense Strategy (NDS) imperatives to support SOF in the realm of integrated deterrence. 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.			
FY 2023 Plans: Complete aft enclosure integration and testing. Continue development and testing of craft and Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) upgrades. Deliver initial mold of the Environmental Enclosure Kit.			
FY 2024 Plans: Continues development and testing of C5ISR capabilities. Begins development of service life enhancing capabilities and analysis and studies for the development of CCM Mk2.			
FY 2023 to FY 2024 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S1684 / <i>Surface Craft</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
Increase of \$3.145 million supports CCM Mk2 preliminary design development.			
<p>Title: Combatant Craft Heavy (CCH), Program Number 819</p> <p>Description: 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. Iron Triangle: 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, 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 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. 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.</p> <p>FY 2023 Plans: Continue development and integration of Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance/Situational Awareness (C5ISR/SA) and survivability enhancements. Begins CCH Next initial requirements development, studies, and analysis.</p> <p>FY 2024 Plans: Continues development and integration of C5ISR/SA and survivability enhancements.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease of \$2.978 million is due to the transition of the CCH Next over to the Future Combatant Craft program.</p>	0.895	3.953	0.975
<p>Title: Combatant Craft Mission Equipment (CCME)</p> <p>Description: The CCME provides a rapid response capability to support SOF combatant craft systems, subsystems, and their emerging requirements. The CCME 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. The CCME focuses on spearheading specific Technology Readiness Level (TRL) 6 technology for compatibility, maturity, design for the marine environment, and successful transition to SOF combatant craft programs.</p> <p>FY 2023 Plans:</p>	5.788	7.956	8.095

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023		
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S1684 / <i>Surface Craft</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>Continue evaluation and development of surface survivability enhancements; enhanced C5ISR/SA capabilities; unique power and energy capabilities such as hybrid electric propulsion; Assured Positioning, Navigation, and Timing (PNT); and enabling technologies for assured access and building enduring advantage, aligning to the 2022 NDS priorities.</p> <p>FY 2024 Plans: Continues evaluation and development of surface survivability enhancements; enhanced C5ISR/SA capabilities; unique power and energy capabilities such as hybrid electric propulsion; Assured PNT; and enabling technologies for assured access and building enduring advantage, aligning to the 2022 NDS priorities. Begins a new maritime survivability radar countermeasures effort.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$0.139 million is due to a new maritime survivability radar countermeasures effort.</p>				
<p>Title: Combatant Craft Assault (CCA), Program Number 820</p> <p>Description: 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. Iron Triangle: 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, davit, 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 more quickly.</p> <p>FY 2023 Plans: Complete integration and testing of Combatant Craft Forward Looking Infrared 2 (CCFLIR2) mast design and Communications Box/Tactical Operations Center Network (TOCNET). Begin integration and testing of the Joint Threat Warning System (JTWS). Begin integration of the Maritime Tactical Mission Networking (MTMN).</p> <p>FY 2024 Plans: Continues development, integration, and testing of the JTWS and the MTMN.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease of \$1.277 million is due to the completion of CCFLIR2 mast design and Communications Box/TOCNET development.</p>		1.527	3.284	2.007
<p>Title: Maritime Precision Engagement (MPE), Program Number 671</p> <p>Description: The MPE is a family of 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, integration of the MK 50 Remote Weapon System (RWS), and munition launcher systems. Munitions for this effort are funded in Research Development Test and Evaluation, Defense Wide R-1 Warrior Systems; Project, S800, Munitions Advanced Development. This program integrates kinetic and non-kinetic effects employed by SOF</p>		8.149	4.943	10.125

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023			
Appropriation/Budget Activity 0400 / 7		R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S1684 / <i>Surface Craft</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024	
<p>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.</p> <p>FY 2023 Plans: Continue development of craft modifications and operator control station to refine a fully integrated operational capability. Continue development and testing of the munition launcher B-kit to refine the EDM-2 MPE launcher and EDM-2 MK 50 RWS B-Kit. Continue development of the CCM A-kit modifications and testing in preparation for transition to production. Continue planned product improvements.</p> <p>FY 2024 Plans: Continues development of craft modifications and operator control station to produce a fully integrated operational capability. Completes development of the CCM A-kit modifications and testing in preparation for transition to production. Completes development of the munition launcher B-kit to refine the EDM-2 MPE launcher. Accelerated completion of developmental testing and operational assessment. Continues planned product improvements.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$5.182 million is due to three month acceleration on the completion of developmental testing and operational assessment.</p>					
<p>Title: Special Operations Craft Riverine (SOCR), Program Number 821</p> <p>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 accelerating advantageous technology to the operating forces more quickly.</p> <p>FY 2023 Plans: Begin C5ISR and situational awareness system enhancements.</p> <p>FY 2024 Plans: The SOCR continues development and testing of C5ISR capabilities (Comms Box and Next-Gen CCFLIR) and continue to conduct pre-award preliminary studies for next generation SOF riverine craft to include (Next-Gen) hybrid electric propulsion options. Begins study for Next-Generation Riverine capability.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$0.012 million supports next-generation propulsion product development.</p>		-	0.600	0.612	
Title: Classified Program		-	-	5.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S1684 / <i>Surface Craft</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
Description: Details provided under separate cover.			
FY 2024 Plans: Details provided under separate cover.			
FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$5.000 million will be provided under separate cover.			
Accomplishments/Planned Programs Subtotals	17.348	24.336	33.559

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

Line Item	FY 2022	FY 2023	FY 2024			FY 2025	FY 2026	FY 2027	FY 2028	Cost To	
			Base	OCO	Total					Complete	Total Cost
• PROC/0204SCCS: <i>Combatant Craft Systems</i>	12.080	85.566	55.064	-	55.064	86.336	48.167	54.841	45.873	Continuing	Continuing

Remarks

N/A

D. Acquisition Strategy

- The CCM 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 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 is conducted via Special Operations Forces Support Activity. The CCH III is Sole Source to the Original Equipment Manufacturer in order to take advantage of previous Government investments in manufacturing infrastructure for the CCH I & II. The CCH is utilizing the MCA pathway.
- The CCME will use streamlined Federal Acquisition Regulation (FAR) contracting with existing or planned Indefinite Delivery, Indefinite Quantity (IDIQ), Blanket Order 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 crafts performance characteristics, reliability, and survivability. Exercised ordering period two of the five-year IDIQ contract supporting Capital Equipment Replacement Program. The CCA is utilizing the MCA pathway.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command **Date:** March 2023

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

- The MPE will employ government engineering expertise and lessons learned to develop a common launch system for NSW combatant craft. Low inventory of production units will be procured through Naval Surface Warfare Center (Dahlgren). 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 to conduct pre-award preliminary studies for next generation SOF riverine craft to include next-generation hybrid electric propulsion options. The SOCR utilizes the MCA pathway.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command **Date:** March 2023

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S1684 / <i>Surface Craft</i>
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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)	C/Variou	Various : Various	21.639	0.989	Nov 2021	-		-		-		-	0.000	22.628	-
CCM Environmental Enclosure Kit	MIPR	NAVSEA : Virginia Beach, VA	-	-		1.650	Nov 2022	-		-		-	0.000	1.650	-
CCM C5ISR/Survivability	MIPR	NAWCAD : Patuxent River, MD	-	-		1.950	Oct 2022	3.600	Oct 2023	-		3.600	Continuing	Continuing	-
CCM Mk2 Development	C/Variou	Various : Various	-	-		-		3.145	Nov 2023	-		3.145	Continuing	Continuing	-
Combatant Craft Heavy (CCH)	C/Variou	Various : Various	11.796	0.895	Jan 2022	3.953	Jan 2023	0.975	Jan 2024	-		0.975	Continuing	Continuing	-
Combatant Craft Mission Equipment (CCME)	C/Variou	Various : Various	20.522	5.788	Nov 2021	7.956	Nov 2022	8.095	Nov 2023	-		8.095	Continuing	Continuing	-
Combatant Craft Assault (CCA)	C/Variou	Various : Various	4.109	1.527	Nov 2021	3.284	Nov 2022	2.007	Jan 2024	-		2.007	Continuing	Continuing	-
Maritime Precision Engagement (MPE)	C/Variou	NSWC : Dahlgren, VA	21.156	7.903	Dec 2021	4.685	Dec 2022	9.855	Dec 2023	-		9.855	Continuing	Continuing	-
Special Operations Craft Riverine (SOCR)	C/Variou	Various : Various	-	-		0.600	Mar 2023	0.612	Dec 2023	-		0.612	Continuing	Continuing	-
Classified Program	TBD	TBD : TBD	-	-		-		3.250		-		3.250	Continuing	Continuing	-
Prior Year Costs	C/Variou	Various : Various	3.576	-		-		-		-		-	0.000	3.576	-
Subtotal			82.798	17.102		24.078		31.539		-		31.539	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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 Costs	C/Variou	Various : Various	3.646	-		-		-		-		-	0.000	3.646	-
Subtotal			3.646	-		-		-		-		-	0.000	3.646	N/A

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

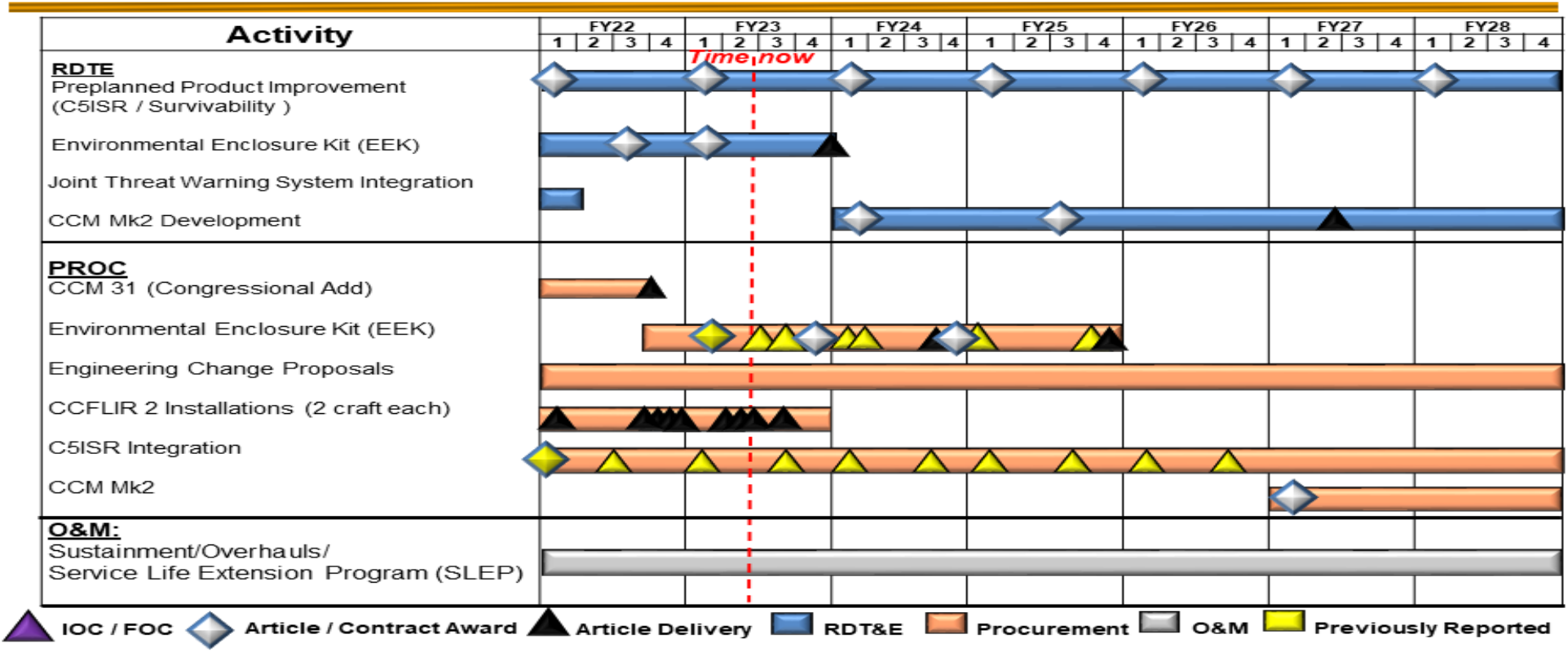
Date: March 2023

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

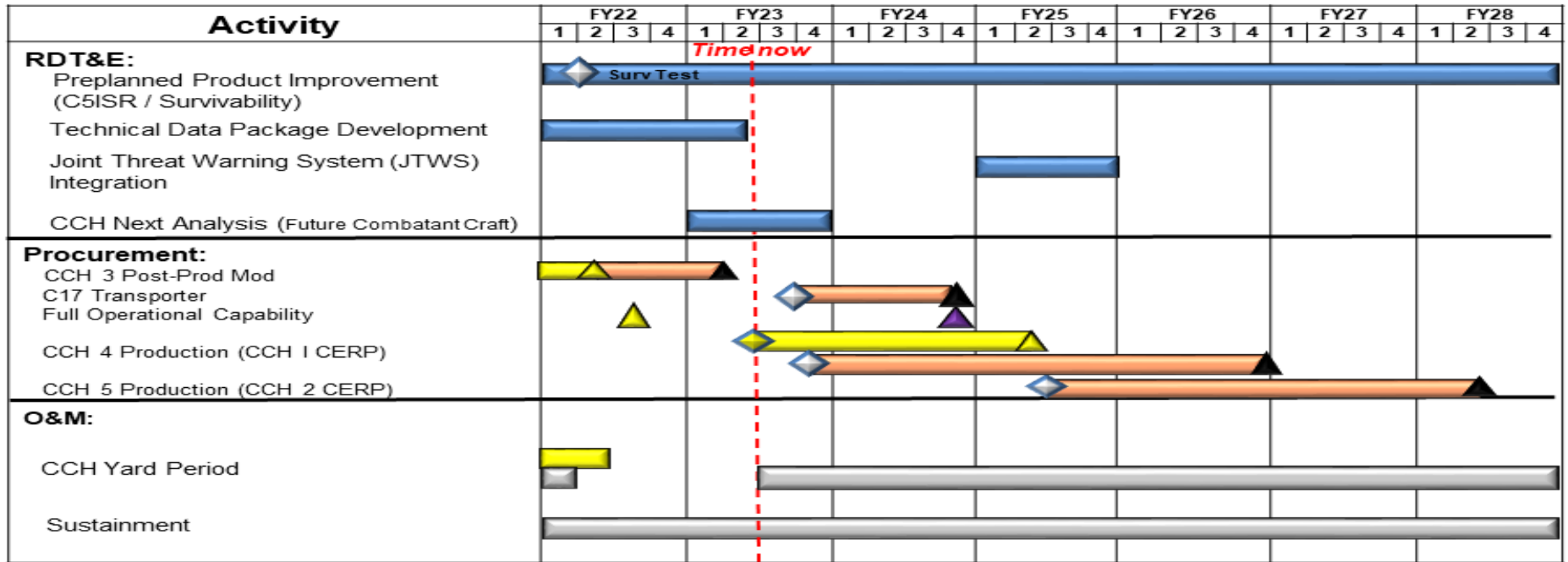


Appropriation/Budget Activity
0400 / 7

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

Project (Number/Name)
S1684 / Surface Craft

Combatant Craft Heavy (CCH) Schedule



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

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

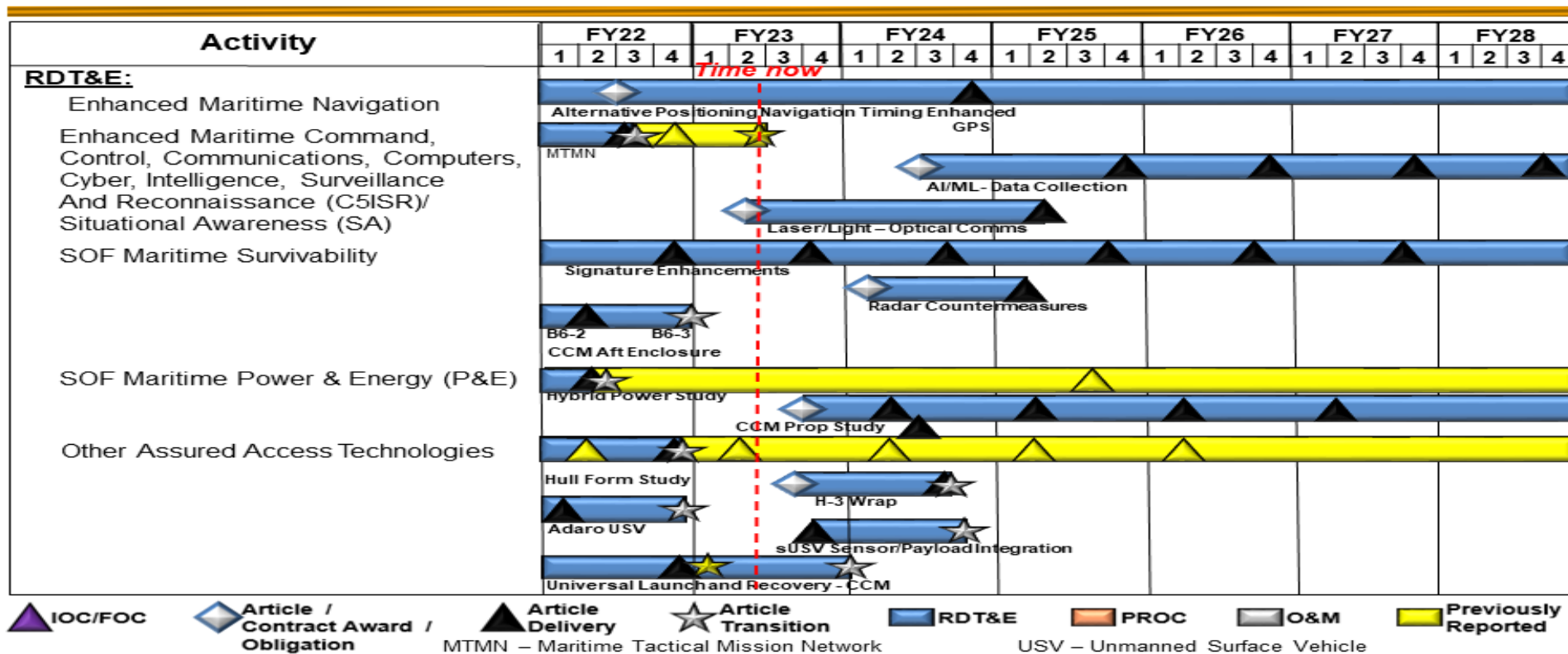
Date: March 2023

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

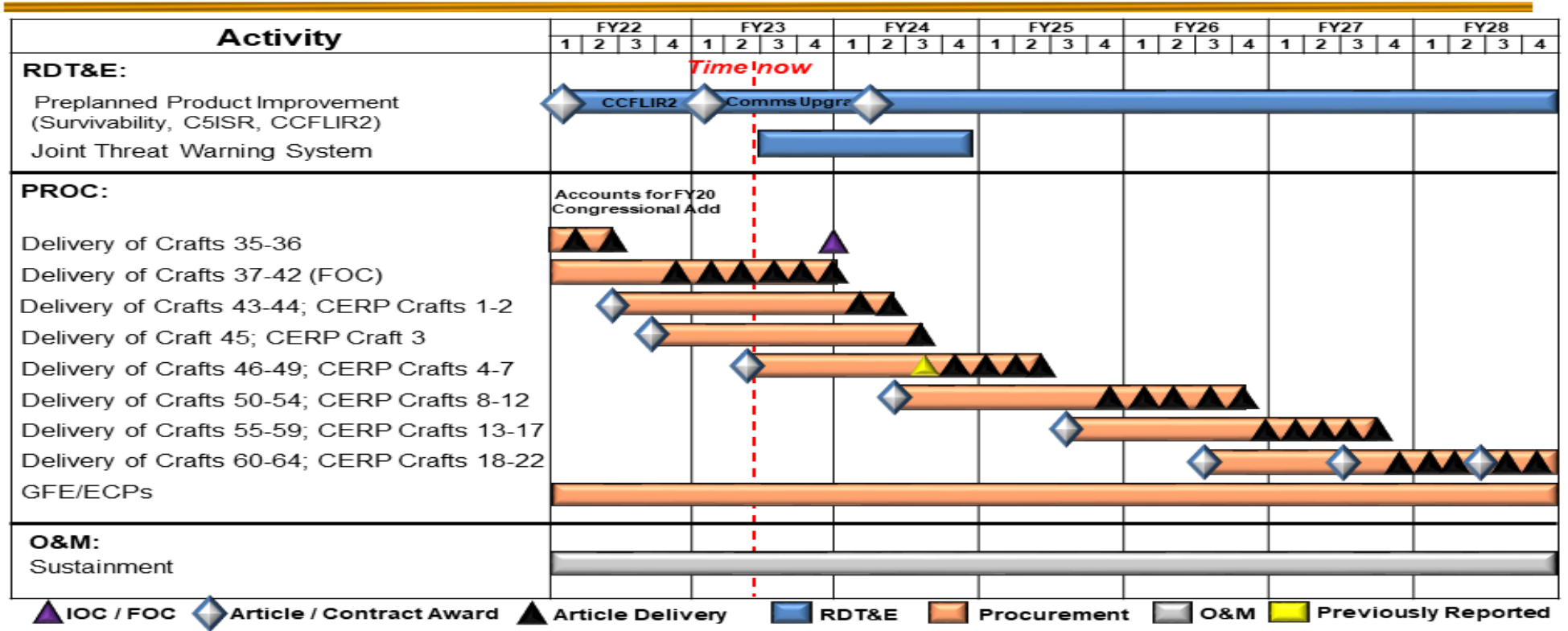


Appropriation/Budget Activity
0400 / 7

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

Project (Number/Name)
S1684 / Surface Craft

Combatant Craft Assault Schedule

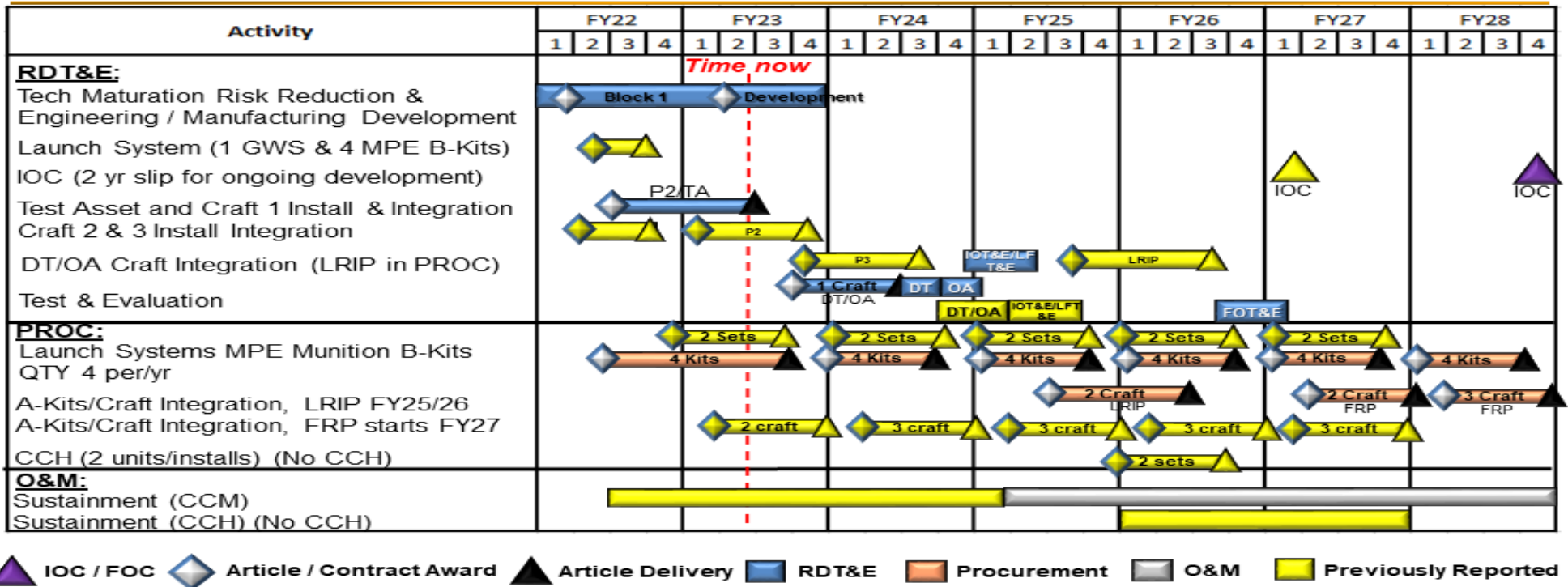


Appropriation/Budget Activity
0400 / 7

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 2024 United States Special Operations Command

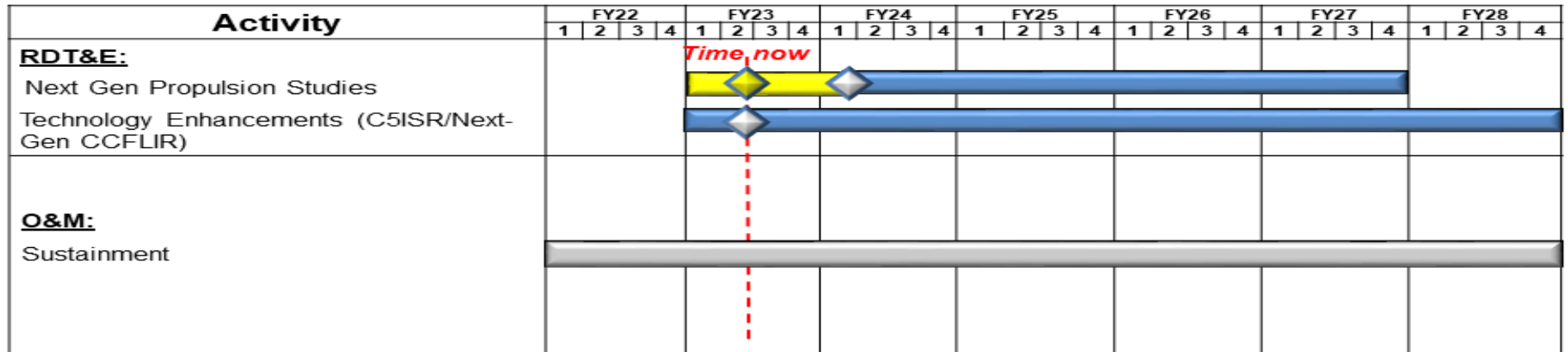
Date: March 2023

Appropriation/Budget Activity
0400 / 7

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

Project (Number/Name)
S1684 / Surface Craft

Special Operations Craft Riverine Schedule



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Exhibit R-4A, RDT&E Schedule Details: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S1684 / <i>Surface Craft</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Combatant Craft Medium (CCM) MK 1				
Preplanned Product Improvement Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR)/Survivability	1	2022	4	2028
Environmental Enclosure Kit (EEK) (formerly Aft Enclosure) Product Development	1	2022	4	2023
Joint Threat Warning System (JTWS) integration	1	2022	2	2022
CCM MK2 Development	1	2024	4	2028
Combatant Craft Heavy (CCH)				
Preplanned Product Improvement (Weapons / C5ISR / Survivability)	1	2022	4	2028
Technical Data Package Development	1	2022	2	2023
JTWS integration	1	2025	4	2025
CCH Next Analysis	1	2023	4	2023
Combatant Craft Mission Equipment (CCME)				
Enhanced Maritime Navigation	1	2022	4	2028
Enhanced Maritime C5ISR/Situational Awareness	1	2022	4	2028
SOF Maritime Survivability	1	2022	4	2028
SOF Maritime Power & Energy (P&E)	1	2022	4	2028
Other Assured Access Technologies	1	2022	4	2024
Combatant Craft Assault (CCA)				
Preplanned Product Improvement (Survivability, Weapons, C5ISR, Combatant Craft Forward Looking Infrared 2)	1	2022	4	2028
JTWS Integration	3	2023	4	2024
Maritime Precision Engagement (MPE)				
Tech Maturation Risk Reduction & Engineering / Manufacturing Development	1	2022	4	2023

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 United States Special Operations Command **Date:** March 2023

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / <i>Maritime Systems</i>	Project (Number/Name) S1684 / <i>Surface Craft</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test Asset and Craft 1 Install & Integration	3	2022	2	2023
Development Test / Operational Assessment Integration on Low Rate Initial Production Craft	4	2023	2	2025
Test & Evaluation	3	2026	1	2027
<i>Special Operations Riverine Craft (SOCR)</i>				
Next Gen Propulsion	1	2024	4	2027
Technology Enhancements (C5ISR, Next-Gen CCFLIR)	1	2023	4	2028