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UNDERSEA WARFARE COMBAT SYSTEMS

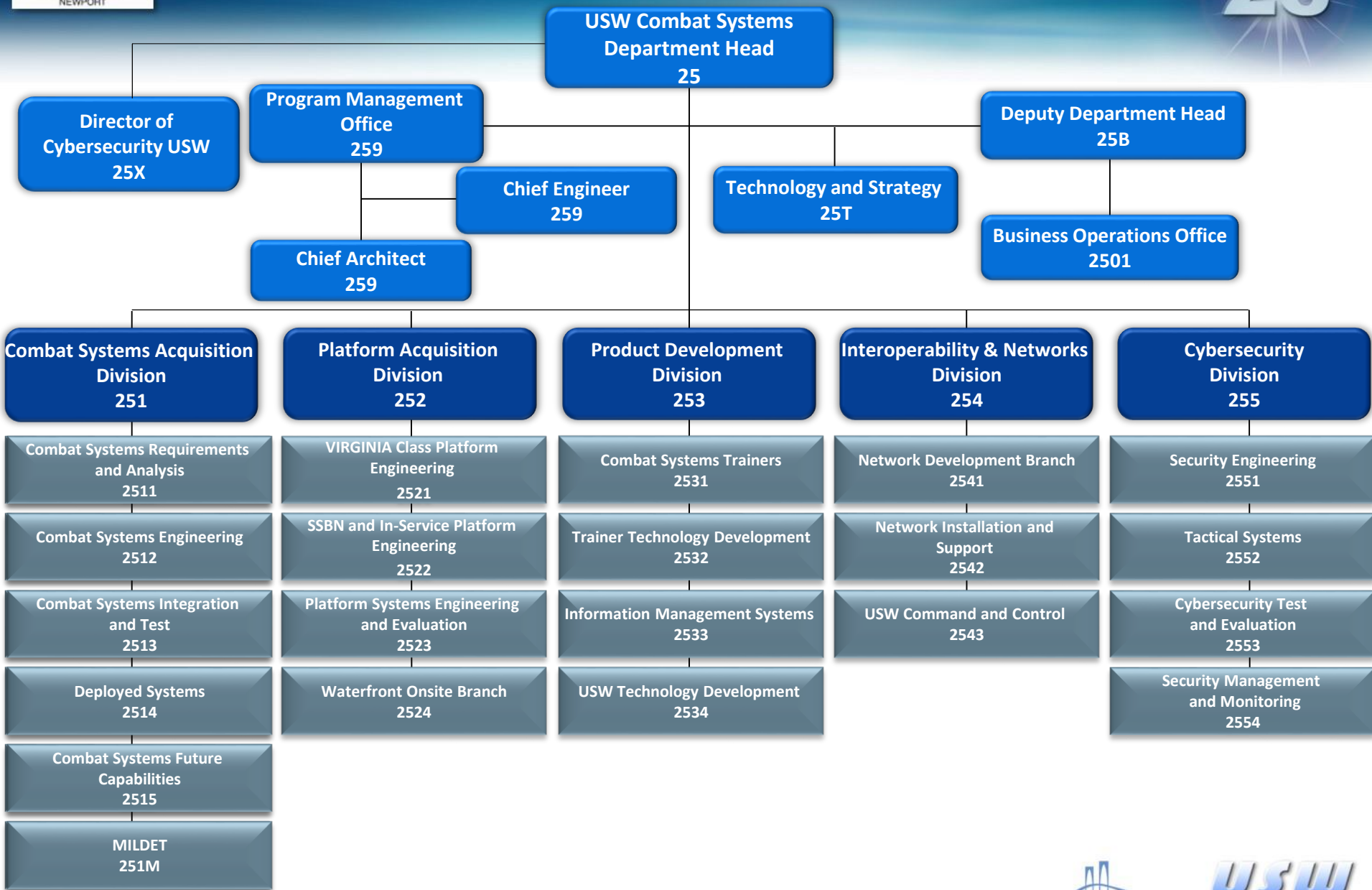
Code 25 Industry Day Brief

16 October 2024



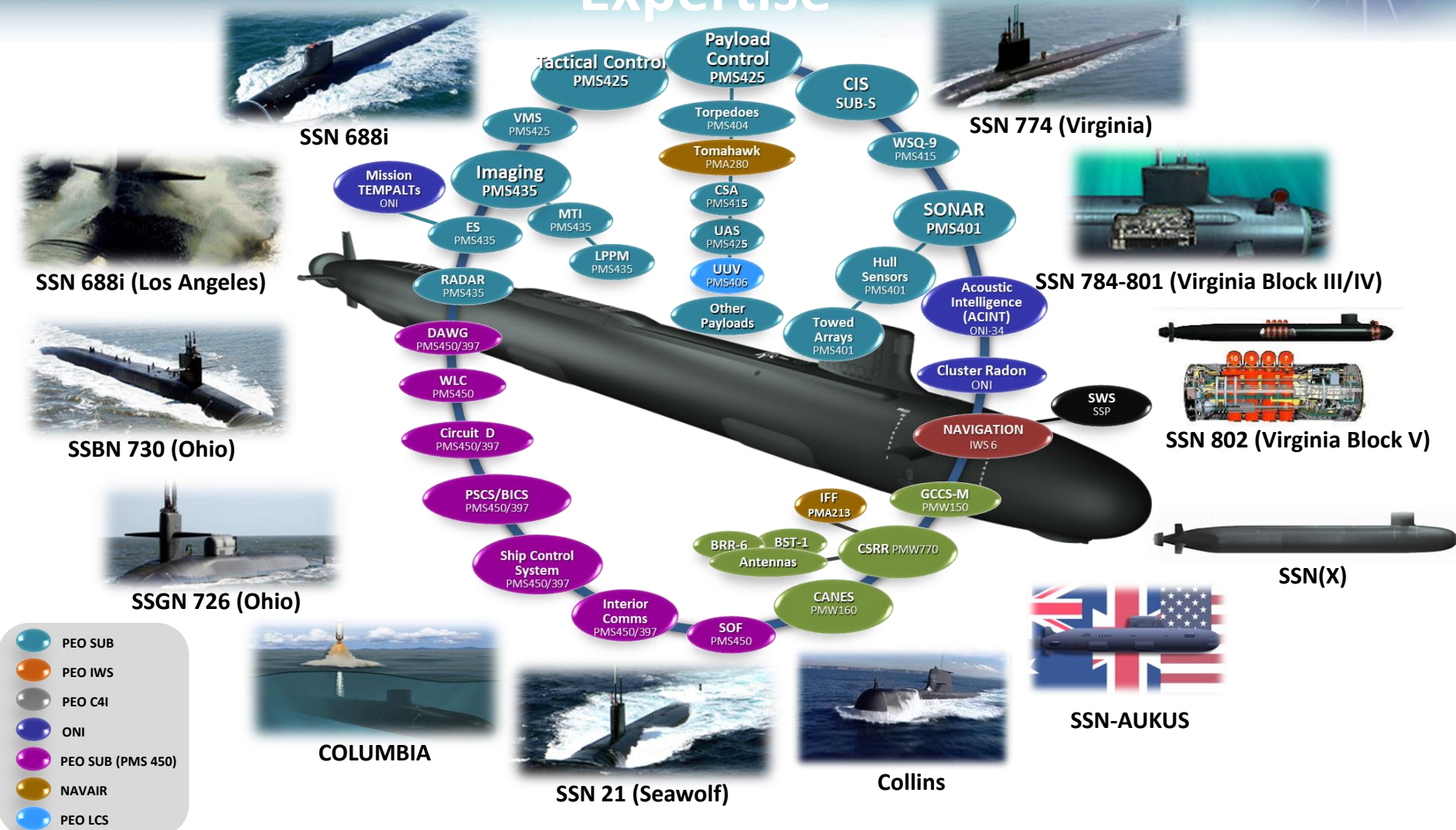
USW Combat Systems Department

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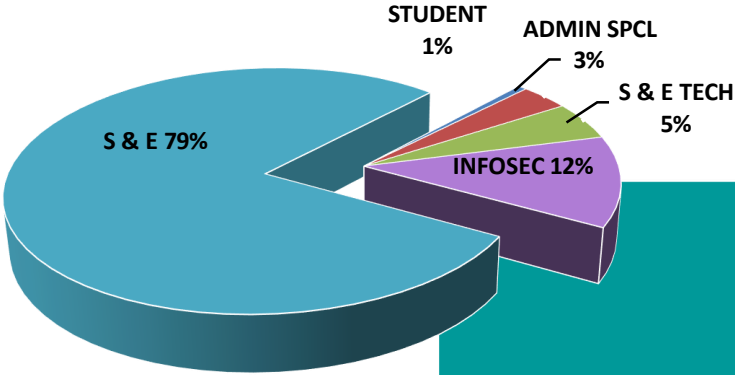
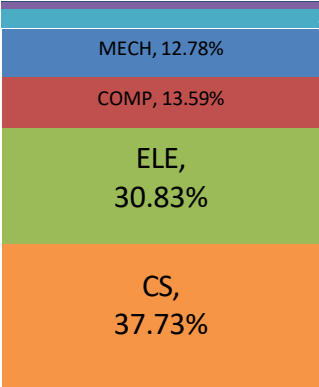
System of Systems (SoS) Engineering Expertise

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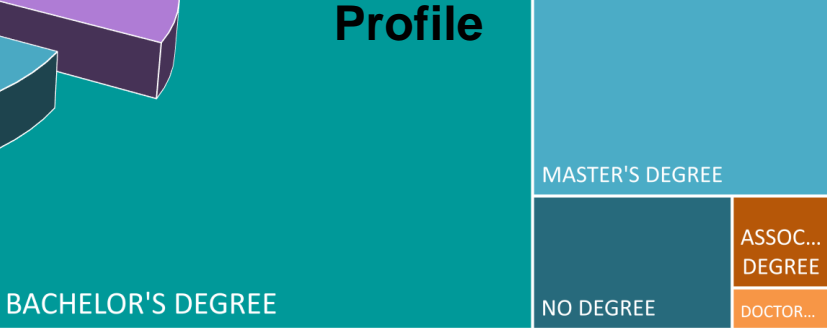
Executing Technical Authority Across Programs, Platforms, and System of Systems

DATA, 0.20%

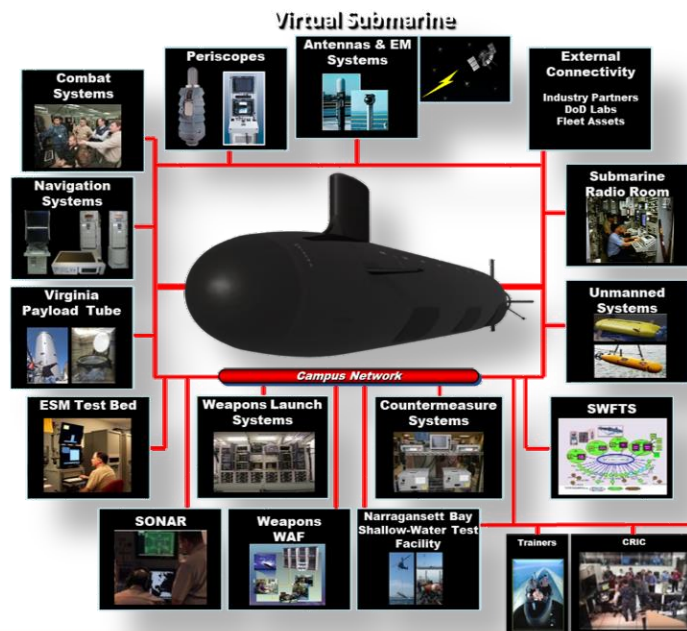


- Development Opportunities**
- Academic Degree Program: 20
 - Naval Postgraduate School: 5
 - Fellowship: 1 (FY23)
 - New Professional 219 Projects: 9

Education Profile



- Powerful technical resource enabling prototyping, experimentation, development, integration and test, training, assessment, & certification
- Complement to workforce expertise
- Product lifecycle support for over 20 projects



- External linkages via Wide Area Integration Facility (WAIF) to facilitate industry partnerships and promote efficient development and integration of new capabilities
- Core component of Virtual Submarine – Campus-wide connectivity of Division Newport facilities

Our Value

Bridge to the Fleet

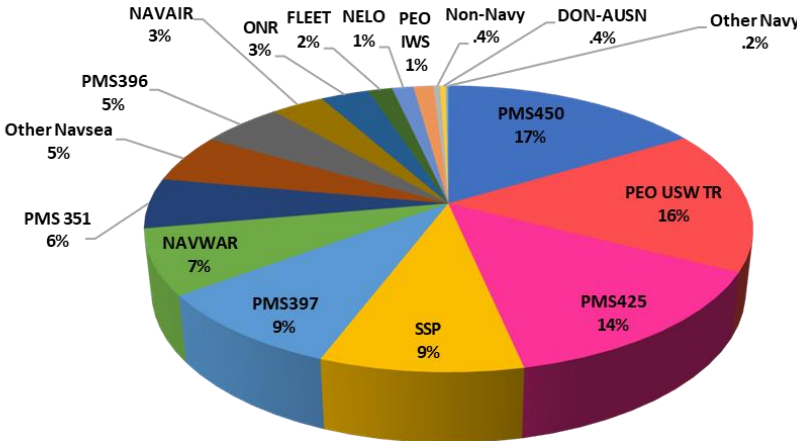


Diverse Set of Customers Across SYSCOMs, ONR and the Fleet

- | | | | |
|--|--|---|---|
| <ul style="list-style-type: none"> • SSN(X) Concept Definition/Exploration • Naval Tactical Cloud • UxS Common Control System • ONR Decision Superiority • ONR Integrated Naval Prototypes • Human Factors Engineering • Cyber Security (Zero Trust and Multi Level Security) • Combat Systems Hardware/Software/Network Architectures • Combat System Arrangements | <ul style="list-style-type: none"> • Virginia Block VI/VII, SSN(X) and SSN AUKUS • Combat Systems Virtualization • SWFTS Re-architecture • Live/Virtual/Constructive (LVC) • Third Party Targeting and Cueing (3PT/C) • Unmanned Aerial Systems Family of Vehicles (Small/Medium) • Undersea Dominance Payload Prototyping • AN/BYG-1 CI/CID Pipeline • Cyber Security Systems Engineering • VA MOD SSW (Mission Electronic Systems) • Undersea Constellation | <ul style="list-style-type: none"> • AN/BYG-1 • TTWCS • Conventional Prompt Strike (CPS) • Virginia • Columbia/Ohio • Trainers (SMMTT, SBT) • SWFTS • Submarine CANES • USW Strike • International Programs • Cybersecurity • USW DSS • Project Overmatch • SSN AUKUS | <ul style="list-style-type: none"> • Submarine Combat Systems ISEA • Ohio/Seawolf ISEA • Tomahawk Logistics and Fleet Support • SSGN Attack Weapon Control System • Operational Documentation • Trainer On Site Agents • GCCS-M • NTMPS • SEAWARE-LMS/SOBT • Wartime Readiness • Cyber Accreditation |
|--|--|---|---|

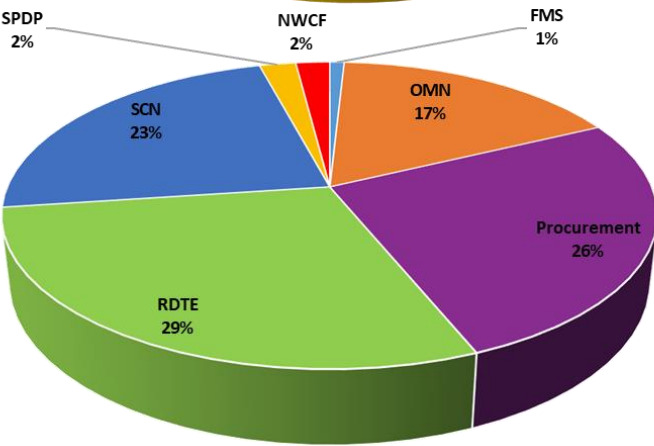
Funding Profile by Customer

New Customers
• SSN AUKUS



Funding Profile by Appropriation

Continue to Increase RDTE



\$388M* Plan for FY25
*FY24 TCHA data



Steady demand for our products and services...9% increase over

Projected Code 25 Contracts (FY25)

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Task Description	Estimated Level of Effort	Anticipated Strategy	Action Type	Current Contract #	Incumbent	Anticipated RFP Release FY QTR
Submarine On-Board Training (SOBT) Support Services	144,000 hours & \$135,000 ODCs	Small Business Set-Aside	Seaport	N00178-19-D-8631-N66604-20-F-3005	SRM	2025 QTR 2
Code 25 In-Service Engineering Support	630,500 hours & \$7,878,000 ODCs	Unrestricted	Seaport	N00178-19-D-8623-N66604-20-F-3006	SEACORP	2025 QTR 2
Trainer Development Support	688,065 hours & \$4,928,000 ODCs	Unrestricted	Seaport	N00178-19-D-8194-N66604-20-F-3007	Northrop Grumman	2025 QTR 2
Lab/Advanced Interactive Management Technology Center (AIMTC) Support	95,000 hours (+FFP) & \$250,000 ODCs	Small Business Set-Aside	Seaport	N00178-19-D-8122-N66604-21-F-3004	MIKEL	2025 QTR 4
Code 25 Combat Control Systems Support	598,000 hours & \$2,300,000 ODCs	TBD	Seaport	N00178-19-D-8424-N66604-22-F-3014	Rite-Solutions, Inc.	2025 QTR 4

Projected Code 25 Contracts (FY26)

25

Task Description	Estimated Level of Effort	Anticipated Strategy	Action Type	Current Contract #	Incumbent	Anticipated RFP Release FY QTR
Data Acquisition and Retrieval System (DARTS) SBIR Phase III	258,000 hours & \$1,500,000 ODCs	Sole Source	IDIQ	N66604-21-D-H100	GDMS	2026 QTR 1
BYG-1 Payload Control System (PCS) SBIR Phase III	142,000 hours & \$2,000,000 ODCs	Sole Source	IDIQ	N66604-21-D-E100	SEACORP	2026 QTR 1
Consolidated Afloat Networks and Enterprise Services (CANES) Development	350,000 hours & \$2,000,000 ODCs	TBD	Seaport	N00178-19-D-8424-N66604-21-F-3008	Rite-Solutions, Inc	2026 QTR 1
Consolidated Afloat Networks and Enterprise Services (CANES) Services	95,000 hours & \$350,000 ODCs	TBD	Seaport	N00178-19-D-7675-N66604-22-F-3001	G2 Software Systems	2026 QTR 3

- **Summary of Contract Scope:** Support services for the successful SOBT Office Support efforts in the functional areas of Project Management, Software Design, Engineering Support, Configuration Management, Computer Programming, Administrative Support, and LAN Administration/Analysis Support
- **Contracting Method:** SeaPort NxG
- **Anticipated Period of Performance:** 08/29/2025 – 08/28/2030
- **Acquisition Strategy:** Small Business Set-Aside (SBSA)
- **Level of Effort:** Estimated 144,000 hours & \$135,000 ODCs
- **Anticipated work location:** 99% Government Site (Submarine Learning Center, Groton CT), 1% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** Minimum 5 Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Secret
 - **Required Certifications/Designations:** Cyber Workforce (CWF)
 - **If large ODCs provide any details:** ODCs primarily for travel
- **Follow on?** Yes, follow-on to N00178-19-D-8631-N66604-20-F-3005, SRM, Acquisition Strategy was Small Business Set-Aside
- **Does OCOL clause apply?** Yes
- **Expected RFP release:** FY25 QTR 2

- **Summary of Contract Scope:** Technical services pertaining to the development, integration, test and evaluation, modernization, and sustainment of the In-Service LOS ANGELES, OHIO, SEAWOLF, VIRGINIA, COLUMBIA, VANGUARD, and DREADNOUGHT Class Fleet. The services shall be provided to SSN, SSBN, and SSGN Non-Propulsion Electronics Systems (NPES), associated subsystems, and Hull, Mechanical and Electrical components.
- **Contracting Method:** SeaPort NxG
- **Anticipated Period of Performance:** 09/21/2025 – 09/20/2030
- **Acquisition Strategy:** Unrestricted
- **Level of Effort:** Estimated 630,500 hours & \$7,878,000 ODCs
- **Anticipated work location:** 70% Government Site, 30% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** Minimum 8 Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Top Secret
 - **Required Certifications/Designations:** Cyber Workforce (CWF)
 - **If large ODCs provide any details:** ODCs for incidental materials for repair services and travel
- **Follow on?** Yes, follow-on to N00178-19-D-8623-N66604-20-F-3006, SEACORP, Acquisition Strategy was Unrestricted
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY25 QTR 2

- **Summary of Contract Scope:** Develop, design, and integrate applications and systems that contribute substantially toward submarine combat system, submarine navigation, and surface ship trainer evolution.
- **Services shall include** requirements analysis, development, software and hardware integration, testing and installation.
- **Contracting Method:** SeaPort NxG
- **Anticipated Period of Performance:** 09/25/2025 – 09/24/2030
- **Acquisition Strategy:** Unrestricted
- **Level of Effort:** Estimated 688,065 hours & \$4,928,000 ODCs
- **Anticipated work location:** 90% Government Site, 10% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** TBD Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Secret
 - **Required Certifications/Designations:** Cyber Workforce (CWF)
 - **If large ODCs provide any details:** ODCs primarily for travel
- **Follow on?** Yes, follow-on to N00178-19-D-8194-N66604-20-F-3007, Northrup Grumman, Acquisition Strategy was Unrestricted
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY25 QTR 2

Code 25 Lab/Advanced Interactive Management Technology Center (AIMTC) Support

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- **Summary of Contract Scope:** Operational, technical and engineering services in support of the infrastructure, systems and laboratories assigned to the Undersea Warfare Combat Systems Department, Code 25, including AIMTC Operations, Maintenance, and Help Desk support.
- **Contracting Method:** SeaPort NxG
- **Anticipated Period of Performance:** 05/01/2026 – 04/30/2031
- **Acquisition Strategy:** TBD
- **Level of Effort:** Estimated 95,000 hours & \$250,000 ODCs
- **Anticipated work location:** 99% Government Site, 1% Contractor Site
- **Contract Type:** CPFF and FFP
- **Unique Characteristics:**
 - **Key Personnel requirements:** TBD Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Secret
 - **Required Certifications/Designations:** Cyber Workforce (CWF)
 - **If large ODCs provide any details:** ODCs primarily for travel and maintenance items
- **Follow on?** Yes, follow-on to N00178-19-D-8122-N66604-21-F-3004, Mikel, Inc., Acquisition Strategy was Small Business Set-Aside
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY25 QTR 4

- **Summary of Contract Scope:** Engineering, technical expertise, and administrative services in support of NUWCDIVNPT Undersea Warfare Combat Systems Acquisition Division (Code 251) projects and program customers. This includes advance development, experimentation, hardware and software engineering, systems engineering, system integration and test, fleet support, lab support and administrative services for Combat Control Systems.
- **Contracting Method:** SeaPort NxG
- **Anticipated Period of Performance:** 05/23/2026 – 05/22/2031
- **Acquisition Strategy:** TBD
- **Level of Effort:** Estimated 598,000 hours & \$2,300,000 ODCs
- **Anticipated work location:** 35% Government Site, 65% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** TBD Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Secret
 - **Required Certifications/Designations:** Cyber Workforce (CWF)
 - **If large ODCs provide any details:** ODCs primarily for incidental materials required for tasking and travel
- **Follow on?** Yes, follow-on to N00178-19-D-8424-N66604-22-F-3014, Rite-Solutions, Inc., Acquisition Strategy was Small Business Set-Aside
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY25 QTR 4

Data Acquisition and Retrieval System (DARTS)

SBIR Phase III Contract

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- **Summary of Contract Scope:** Apply the DARTS and associated processes to collect and analyze platform, NPES, and C3I data for the NUWC Test Program. The scope includes tailoring the DARTS to the needs of the individual test events and to provide DARTS installation and removal services and operational support for test events.
- **Contracting Method:** D-Type Contract
- **Anticipated Period of Performance:** 05/10/2026 – 05/09/2031
- **Acquisition Strategy:** Sole Source
- **Level of Effort:** Estimated 258,000 hours & \$1,500,000 ODCs
- **Anticipated work location:** 20% Government Site, 80% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** TBD Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Top Secret
 - **Required Certifications/Designations:** Cyber Workforce (CWF)
 - **If large ODCs provide any details:** ODCs primarily for travel with some incidental materials for test support
- **Follow on?** Yes, follow-on to N66604-21-D-H100, Progeny, Acquisition Strategy was Sole Source (SBIR Phase III)
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY26 QTR 1

BYG-1 Payload Control System (PCS) SBIR Phase III Contract

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- **Summary of Contract Scope:** Modify the payload control system (PCS) technology to adapt the combat control system (CCS) to new payload interfaces planned for submarine introduction. The effort includes architecture development, software development, software integration and testing to enable payload integration prototypes.
- **Contracting Method:** D-Type Contract
- **Anticipated Period of Performance:** 05/14/2026 – 05/13/2031
- **Acquisition Strategy:** Sole Source
- **Level of Effort:** Estimated 142,000 hours & \$2,000,000 ODCs
- **Anticipated work location:** 50% Government Site, 50% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** TBD Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Secret
 - **Required Certifications/Designations:** Cyber Workforce (CWF)
 - **If large ODCs provide any details:** ODCs primarily for materials for prototypes with some travel
- **Follow on?** Yes, follow-on to N66604-21-D-E100, SEACORP, Acquisition Strategy was Sole Source (SBIR Phase III)
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY26 QTR 1

Consolidated Afloat Networks and Enterprise Services (CANES) Development

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- **Summary of Contract Scope:** Engineering and technical services to support the evolution and deployment of PEO (Program Executive Office) C4I (command, control, communications, computers, and intelligence) networks to all U.S. Navy submarines under the cognizance of NUWCDIVNPT Code 25.
- **Contracting Method:** SeaPort NxG
- **Anticipated Period of Performance:** 08/01/2026 – 07/31/2031
- **Acquisition Strategy:** TBD
- **Level of Effort:** Estimated 350,000 hours & \$2,000,000 ODCs
- **Anticipated work location:** 90% Government Site, 10% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** TBD Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Top Secret
 - **Required Certifications/Designations:** TBD
 - **If large ODCs provide any details:** ODCs primarily for travel
- **Follow on?** Yes, follow-on to N00178-19-D-8424-N66604-21-F-3008, Rite-Solutions, Inc., Acquisition Strategy was Unrestricted
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY26 QTR 1

Consolidated Afloat Networks and Enterprise Services (CANES) Services

- **Summary of Contract Scope:** Systems engineering, managing, and tracking engineering change request processes which include engineering, testing, logistics and platform integration for submarine networks; PMW 160 Design Engineering working groups, and cognizant engineering teams to prepare the engineering changes for fielding and; acting as technical point of contact (TPOC) for the applicable applications and subsystems being integrated to the PEO C4I PMW 160 submarine network.
- **Contracting Method:** SeaPort NxG
- **Anticipated Period of Performance:** 12/01/2026 – 11/30/2031
- **Acquisition Strategy:** TBD
- **Level of Effort:** Estimated 95,000 hours & \$350,000 ODCs
- **Anticipated work location:** 35% Government Site (NAVWAR San Diego, CA), 65% Contractor Site
- **Contract Type:** CPFF
- **Unique Characteristics:**
 - **Key Personnel requirements:** TBD Key Personnel (inclusive of the STR) Covering Areas of Expertise
 - **Facility Security Clearance:** Secret
 - **Required Certifications/Designations:** TBD
 - **If large ODCs provide any details:** ODCs primarily for travel
- **Follow on?** Yes, follow-on to N00178-19-D-7675-N66604-22-F-3001, G2 Software Systems, Acquisition Strategy was Small Business Set-Aside
- **Does OCOI clause apply?** Yes
- **Expected RFP release:** FY26 QTR 3