NAVSEA Warfare Centers
Small Business Industry Day
October 11, 2022
Warfare Centers Organization

Naval Surface Warfare Center

**Mission:**
The Naval Surface Warfare Center (NSWC) cohesively and seamlessly operates the Navy's full spectrum research, development, test and evaluation, engineering, and fleet support centers for offensive and defensive systems associated with surface warfare and related areas of joint, homeland and national defense systems from the sea.

**Vision:**
Our vision is to be the Navy's trusted partner for identifying and providing innovative cost effective technical solutions to the warfighter. We will be responsive to the Navy Enterprises, the Joint Force and national requirements, while partnering with industry, other DoD laboratories, and academia.

Naval Undersea Warfare Center

**Mission:**
To operate the Navy’s full-spectrum research, development, test and evaluation, engineering, and Fleet support center for submarines, autonomous underwater systems, and offensive and defensive weapon systems associated with USW and related areas of homeland security and national defense.

**Vision:**
Expand the Undersea Advantage
**Warfare Centers Organization**

**Quick Facts**

**PROGRAMS**

- **6,985** Ship/Submarine Modernizations/ Tech Insertions
- **63,971** Technical/Logistic Hotline Call Responses
- **145** Technical Capabilities
- **3,235** Fleet Fly-Away Teams Dispatched
- **435** Customers

**PERSONNEL**

- **19,018** Scientists & engineers Representing 52% of the Navy’s scientific & engineering expertise
- **147** Patents filed
- **854** PhDs
- **6,769** Masters degrees

**10 Divisions – One Team**

29,417 government civilians - 286 military members

**Roles of the Warfare Centers**

- Make naval technical programs successful
- Provide a bridge between the technical community and the warfighter
- Determine and develop capabilities for the fleet
- Verify the quality, safety, and effectiveness of platforms and systems
- Design, develop, and field solutions for urgent operational fleet needs

**Warfare Centers Leadership**

Mr. Ashley Johnson, SES Executive Director (acting)
Rear Adm. Kevin P. Byrne, USN Commander
What We Do for the Program Offices/Fleet

Navy After Next

- S&T: Basic Research, Applied Research, National/Global Scientific Leadership
- R&D: Sensor, System, & Missile Performance, Quality, Reliability, and Evaluation/Assessment
- T&E: Environmental Testing, Tests @ Ranges/Major Facilities
- PRODUCT DELIVERY: Installs, Modernization & Alterations
- FLEET SUPPORT: Technology Refresh

The Next Navy

- S&T: Analysis of Alternatives, Human Systems Integration
- R&D: Rapid Prototyping, Modeling and Simulation
- T&E: Foreign Comparative Testing, Environmental Testing
- PRODUCT DELIVERY: Metrology & Test, Measurement & Diagnostic Equipment (TDME)
- FLEET SUPPORT: Technology/Obsolescence Management

Today’s Navy

- S&T: Patents, Cost-Performance Tradeoffs
- T&E: Environmental Testing, Tests @ Ranges/Major Facilities
- PRODUCT DELIVERY: Modernization & Alterations
- FLEET SUPPORT: Modernization & Alterations

FY21 REIMBURSABLE FUNDING

- Product Delivery: 28%
- Fleet Support: 42%
- RDT&E: 26%
- S&T: 4%

Providing technical expertise across multiple portfolios in multiple warfare areas
Small Business Investment Areas

Knowledge Points

• ANTX
• AI /Machine Learning
• Autonomy / Unmanned Systems
• Cybersecurity
• Cycle of Assessment
• Digital Science
• Directed Energy
• Electromagnetic Spectrum Operations
• Hypersonics

• Integrated Power and Energy Sciences
• Lethality and Effectiveness
• LVC
• MBSE/SBD
• Ocean Sciences and Sensing
• Platform Design Science
• Quantum Sciences
• Sustainment and Repair
• Trusted Electronics

Knowledge Points Represent Investments
Small business entry opportunities can be found on the Long Range Acquisition Forecast (LRAF): https://www.navsea.navy.mil/Business-Partnerships/LRAF/

**Industry Days:**
- NSWC Carderock: Industry Day - 2 November. Register at: https://www.zoomgov.com/webinar/register/7616599891129/WN_LLbZhEyHSa2yZ2tnCUvBAw

Small Business Professionals at each Divisions can help with questions

Questions