



# NUWC DIVISION, KEYPORT

Unmanned and Theater Undersea Warfare Systems Department

Industry Day 2025 – Department Overview

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Distribution A: Approved for public release.




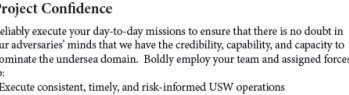
# Organizational Intent

**Mission:** “Drive the product realization of systems, platforms, and operations throughout the Unmanned enterprise and across the Theater Undersea Warfare spectrum.”

**Vision:** “Enable Distributed Maritime Operations in the Undersea Domain”

## SHAPING OUR ORGANIZATION



COMMANDER'S INTENT 4.0		COMMANDER'S INTENT	
U.S. Submarine Force and Supporting Organizations		Commander's Guidance to the Theater Undersea Warfare Commander	
			
<b>Warfighting, People, Safety</b>		<b>Project Confidence</b>	
			
<b>Master Undersea Warfare (USW)</b> As a TUSWC, your Joint Force Maritime Component Commander (JFMCC) or Fleet Commander has charged you with the responsibility to command an integrated, cross domain, full spectrum set of forces designed to operate in and through the undersea domain. In support of Combatant Commander objectives, you are to be ready to dominate the undersea domain by denying our adversaries freedom of maneuver, providing flexible deterrent options to expand the competitive battlespace, and, if deterrence fails, to deliver violence to our adversaries with lethal fires using the full suite of non-kinetic and kinetic capabilities at your disposal to decisively seize the initiative and win.		<b>Advance the Art of USW</b> Wherever possible, seek opportunities to improve understanding of USW concepts across the Navy and the Joint Force. Advancing USW concepts will naturally generate competing priorities between immediate operational needs and more distant improvement goals. You must use your experience to choose the right times to take near term tactical risk in order to mitigate longer term operational or strategic risk. Focus on: <ul style="list-style-type: none"><li>• Eliminate seams by leveraging and coordinating with peer Task Force/Group Commanders</li><li>• Enhance capacity, expertise, and alignment of your Reserve Component</li><li>• Develop the capability, expertise, and organizational understanding to improve mining doctrine, tactics, and procedures with Naval and Joint partners</li><li>• Build concepts of operations and employment to utilize Unmanned Undersea Vehicles more effectively across the spectrum of conflict</li><li>• Plug into, exploit, and contribute to all systems and networks designed to provide the undersea COP</li><li>• Champion the TUSWC concept by leading the education and training of senior leaders in the Navy and Joint Force</li></ul>	
<b>Prepare for War</b> Plan for conflict with the following factors in mind: <ul style="list-style-type: none"><li>• Command and Control (C2) structures and methods must evolve as a conflict evolves</li><li>• Understand, contribute, and seamlessly integrate into maritime and Joint Fires processes</li><li>• Demand and utilize a reliable and persistent undersea Common Operational Picture (COP) that enables your decisions and improves situational awareness for all supporting/supported Commanders</li><li>• Posture and optimize your USW force laydown and flow that anticipates and flanks the expected adversary courses of action</li><li>• Require supporting intelligence collection plans and priorities to enhance your operational and tactical decision-making and battle rhythm events</li><li>• Protect and sustain your force through efficient and risk managed logistics plans</li><li>• Provide clear commander's intent designed to enable and leverage Mission Command</li><li>• Operational excellence requires practice<ul style="list-style-type: none"><li>◦ Conduct realistic mission rehearsals</li><li>◦ Demand reality and friction in exercises</li><li>◦ Validate sustainment and C3 assumptions</li><li>◦ Include allies and partners</li><li>◦ Assess USW doctrine and tactics and provide feedback</li></ul></li></ul>			



# Key Programs

## Unmanned Undersea Systems (Undersea Warfare)



Medium UUV



Special Operations Forces

## Anti-submarine Warfare Readiness and Surveillance Systems



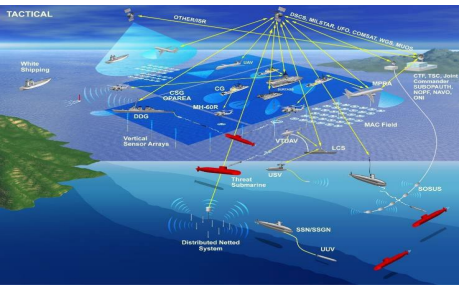
Deployable Surveillance System

ASW Training Targets



Oceanography Studies

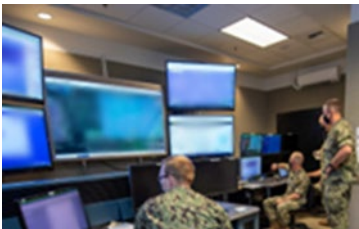
## Theater Command and Control Systems



Undersea Warfare  
Decision Support  
System (USW DSS)



Aircraft Carrier  
Tactical Support  
Center (CV-TSC)



UUV Operations Center (UUV OC)

# Industry Areas of Focus

- **Innovative Materiel Solutions**
  - Cold/thermal spray repairs of vehicle hulls
  - Rapid response solutions for unique platform/vehicle support
    - Gangways
    - Equipment storage
    - Transportation equipment
    - Work platforms
    - Vehicle corrosion prevention in high-humidity locations
- **Integration and Maintenance Support**
  - Hardware
  - Software
  - Logistics
  - Systems administration/cyber security (multiple classification levels)
- **Mobilization/Demobilization**
  - Small and medium support craft to launch and retrieve unmanned undersea vehicles
  - Unique weight handling solutions
- **Build to Print Items**
  - Syntactic foam
  - Drop weights

# Services Contracts

- **N0017819D7814/N0025323F3002 - San Diego Support Services**
  - Indus Technologies
  - SeaPort NxG Task Order
  - Awarded 13 April 2023; five-year period of performance ending April 2028
  - Currently executing Option Year Two
  - Re-compete effort to begin April 2026 to meet a January 2028 award
- **Other Service Contracts**
  - Test and evaluation
  - UUV maintenance/upgrades/repair
  - Industrial equipment repair
  - ORCA XLUUV maintenance and repair

# Questions?

