DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
2531 JEFFERSON DAVIS HWY
ARLINGTON VA 22242-5160

IN REPLY REFER TO

NAVSEAINST 5450.15D
Ser 09B/159
31 Oct 96

NAVSEA INSTRUCTION 5450.15D

From: Commander, Naval Sea Systems Command

Subj: MISSION, FUNCTIONS AND TASKS OF NAVAL UNDERSEA WARFARE CENTER DIVISION KEYPORT WA

Ref: (a) OPNAVNOTE 5450 Ser 09B22/1U510577 of 23 Dec 91
(b) NAVSEAINST 5450.28F

Encl: (1) Functions and Tasks of the Naval Undersea Warfare Center Division, Keyport WA
(2) Administrative and Management Information

1. Purpose. To issue the mission, functions and tasks of the Naval Undersea Warfare Center Division, Keyport, WA (NAVUNSEAWARCENDIV KEYPORT WA) in accordance with references (a) and (b).

2. Cancellation. NAVSEAINST 5450.15C 7 June 1988

3. Mission. To support the mission of the Naval Undersea Warfare Center by providing test and evaluation, in-service engineering, maintenance and repair, fleet support, and industrial base support for undersea warfare systems, undersea weapon systems, countermeasures and sonar systems. Perform such other functions and tasks as may be directed by higher authority.

4. Status and Command Relationships. NAVUNSEAWARCENDIV KEYPORT WA is a field activity in a fully active, operational status reporting to COMNAVUNSEAWARCEN NEWPORT RI. The Commander, NAVUNSEAWARCENDIV KEYPORT WA reports directly to COMNAVUNSEAWARCEN.

a. Chain of Command:

Echelon

1 Chief of Naval Operations (CNO)
2 Commander, Naval Sea Systems Command
3 Commander, Naval Undersea Warfare Center
4 Commander, Naval Undersea Warfare Center Division Keyport, WA

0693-LD-002-1780

b. Area Coordination: CINCPACFLT

c. Local Area Coordination: COMNAVBASE SEATTLE

5. Functions. The functions for NAVUNSEAWARCENDIV KEYPORT WA are contained in enclosure (1).

6. Action. In accomplishing the assigned mission, the Commander, NAVUNSEAWARCENDIV KEYPORT WA will ensure performance of functions listed in enclosure (1). The administrative information shown in enclosure (2) will be in effect until changed by NAVSEAINST or other appropriate documentation. Send recommended changes to COMNAVUNSEAWARCEN.

G. R. STERNER

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FUNCTIONS AND TASKS OF THE NAVAL UNDERSEA WARFARE CENTER DIVISION, KEYPORT, WA

As a result of the ongoing examination of Naval Undersea Warfare Center (NAVUNSEAWARCEN) roles and responsibilities directed by Commander, NAVUNSEAWARCEN, NAVUNSEAWARCENDIV Keyport WA is focused on the following functions:

Torpedoes/Targets/Countermeasures/Undersea Vehicles:

° **Test and Evaluation for Proofing/Periodics/Qualification.**

- Conduct weapon performance, radiated noise, and acoustic data analysis and reporting for production acceptance of Undersea Warfare (USW) torpedoes, targets, and countermeasures.
- Develop, maintain, and operate a land-based test facility employed in test and evaluation of development and production acceptance of undersea vehicles.
- Develop, maintain, and operate facilities for conducting environmental stress testing (e.g., vibration, shock, temperature) of pre-production, and periodic samples of components from new production USW torpedoes, targets, and countermeasures.

° **Maintenance Engineering for Operational Systems.**

- Provide life-cycle engineering support to Fleet Intermediate Maintenance Activities (IMAs) for assigned USW torpedoes, targets, countermeasures, and test equipment.
- Manage and maintain facilities, equipment, procedures, and personnel to effect repair of designated system components from the Fleet IMAs.
- Provide maintenance engineering of tests, test equipment, and test-set software for the Depot.
- Issue standard reliability reports in accordance with approved plans.
- Conduct quality evaluation programs.

° **Depot/IMA Repair.**

- Operate high-capacity Intermediate-level maintenance facilities for USW torpedoes, targets, and countermeasures.
- Provide full life-cycle maintenance engineering support to the Depot.
- Provide Quality Assurance management of Keyport's IMA and Depot.

° **Overhaul, Upgrade, Repair, and Progressive Level Maintenance.**

- Operate the only facilities for depot-level maintenance, repair, and integration of overhauls and upgrades to USW torpedoes, targets, and countermeasures.
- Procure, manufacture, and assemble kits for torpedo/target Ordnance Alterations (ORDALTs).

° **Maintenance and Issue of Approved Hardware and Software Baselines.**

- Maintain and operate the hardware and software baseline data base for all USW torpedoes and targets and assigned combat systems.
- Maintain physical responsibility for the documents and electronically stored information which describes the technical baseline (including drawings and specifications).

° **Engineering and Manufacturing of out-of-production replacement components for operational systems.**

- Flexible Computer Integrated Manufacturing (FCIM) engineering for USW applications.
- Robotics engineering for USW maintenance applications.

° **Integrated Logistics/Supply/Fleet Support.**

- Responsible for technical interface on supply-support functions with Ships Parts Control Center (SPCC) and Defense Logistics Agency (DLA).
- Provide Technical Data Packages to Procuring Agencies.
- Evaluate vendor performance against specifications, including physical configuration audits, and first article, periodic, and functional testing.
- Provide Supply Support Assistance to the Fleet, including provisioning Allowance Equipage List/Allowance Parts List (AEL/APL) maintenance, implementation of ORDALTs and demilitarization of obsolete hardware.
- Perform Integrated Logistics Support planning/management for systems that are post-Initial Operational Capability (IOC).

° **Off-line Test Equipment Support.**

- Identify, plan, and install upgrade kits for Fleet test equipment.

Ranges:

° **Range Support for Development Test & Evaluation (DT&E) Testing on Pacific Ranges.**

- Coordination of tracking instrumentation support, mobile target services, and tracking ranges. Maintain and operate special Combat Systems test sites Fleet Operational Readiness Accuracy Check Site (FORACS) I and III.

- Support ship testing and Antisubmarine Warfare (ASW) exercise reconstruction.

° **Range Support for RDT&E Testing on Northwest Ranges.**

- Support Research, Development, Test & Evaluation (RDT&E) testing of special test vehicles, prototype torpedoes, advanced mobile and stationary targets, Unmanned Undersea Vehicles (UUVs) and countermeasures. Test design changes to these vehicles and devices.

- Operate test ranges dedicated to full-spectrum RDT&E and production acceptance testing (proofing) of torpedoes, targets, and countermeasures. Ranges include the Navy's only instrumented littoral/shallow-water (<500 feet) 3-D test range, the Joint U.S.-Canadian medium depth test range, and a low-noise/high-security range in Dabob Bay for weapons test and evaluation and Trident submarine Sea Trials.

- Operate full-spectrum range support instrumentation for acoustic and E- and B-Field measurements. Collect, process, and analyze resulting data.

- Develop, maintain, and operate systems designed for routine search and recovery of USW torpedoes and the only system for recovering units buried in the ocean floor.

° **Development and Maintenance of Northwest Ranges.**

- Develop and maintain high accuracy 3-D underwater ranges capable of full-spectrum RDT&E and production acceptance testing of torpedoes, targets and countermeasures.

- Develop and test improvements in underwater tracking instrumentation, ranges, and new applications such as shallow-water and under-ice.

Arctic Program Coordination:

- Operate the Arctic Submarine Laboratory providing Arctic submarine and Ice Camp/Field Station/range operational support and Arctic submarine systems development.

Submarine Combat Control and Acoustics; Surface Ship ASW/SONAR/Acoustics:

° **Depot Repair and Overhaul.**

- Provide electronic module test set, test set software, and procedures development including Module Screening Repair Activity (MSRA) and Consolidated Automation Support System (CASS).
- Provide repair and overhaul of cards, equipment, and systems.
- Provide overhaul engineering.

° **Technical Data for Systems Support.**

- Maintain and operate the approved hardware and software baseline data base for assigned combat systems.
- Provide technical data packages for assigned systems to procuring agencies.

° **Manufacturing of out-of-production replacement components for operational systems.**

- Manufacture spare parts for combat systems no longer in production or no longer supported by the original equipment manufacturer.

° **Spare Hardware Support.**

- Procure, manufacture, and assemble kits for ORDALTs.
- Technical interface on supply-support functions with Ships Parts Control Center (SPCC) and Defense Logistics Agency (DLA).
- Provide Supply Support Assistance to the Fleet, including provisioning Allowance Equipage List/Allowance Parts List (AEL/APL) maintenance and implementation of ORDALTs.

° **Supply Support.**

° **Packaging, handling, shipping, and transportation.**

Operational Testing:

° **Operational Test and Evaluation of USW systems (Trusted Agent for assigned USW systems).**

- Provide test and operational assessment engineering (Trusted Agent responsibilities) for Command Operational Test & Evaluation Force (COMOPTEVFOR) on assigned systems.

- Ship ASW systems testing (e.g., Fleet Operational Readiness Accuracy Check Site (FORACS), Combat Systems Ships Qualification Trials (CSSQT), Shipboard Electronics Systems Evaluation Facility (SESEF), Weapons Systems Acceptance Test (WSAT)) for Pacific Ranges.

ADMINISTRATIVE AND MANAGEMENT INFORMATION
KEYPORT, WA

1. Plain Language Address (PLAD/Abbreviated Name of Activity):

NAVUNSEAWARCENDIV KEYPORT WA

2. Mailing Address:

Commander
Naval Undersea Warfare Center Division
610 Dowell Street
Keyport, WA 98345-7610

3. Title of Military Head of Activity: Commander

4. Chain of Command:

a. Echelon

1 Chief of Naval Operations
2 Commander, Naval Sea Systems Command
3 Commander, Naval Undersea Warfare Center
4 Commander, Naval Undersea Warfare Center Division, Keyport WA

b. Area Coordination: CINCPACFLT

c. Local Area Coordination: COMNAVBASE Seattle WA

5. Unit Identification Code (UIC): 00253

6. Standard Navy Distribution List (SNDL): None

7. Phone Numbers: Commercial: (306) 396-2340
DSN: 744-2340

8. Comments: The following are administrative UICs and not actual organizations:

30041 Naval Undersea Warfare Center Division, Keyport, SERVCRAFT Range, 107 Mil

52861 Naval Undersea Warfare Center Division, Keyport, Range Support, 112 Mil

57860 Naval Undersea Warfare Center Division, Keyport, SERVCRAFT Indian Island, 11 Mil

47619 Naval Undersea Warfare Center Division, Keyport, NON NIF, 30 Mil
48519 Naval Undersea Warfare Center Division, Keyport FMS TRA, 2 Mil/13 Civ