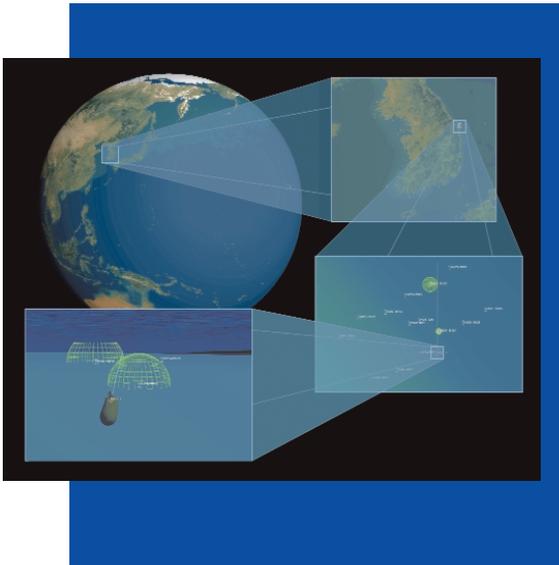


# Mission Statement

## Deliver Maritime Surveillance and Littoral ASW Sensor Systems and Technologies

- Deployable, Fixed, Mobile Systems
- Fleet Introduction and Operational Testing
- Signal and Information Processing
- ISR Modeling and Prototyping
- Concept Development and Evaluation
- Acoustic Communications
- Multistatic ASW



## Facilities

Array Fabrication and Test Facility  
Transducer Development Laboratory  
Advanced Virtual Intelligence, Surveillance, and Reconnaissance (ADVISR) Laboratory  
Multistatic Processing Laboratory  
High-Performance Computing (HPC) Facility  
Underwater Acoustic Communications Laboratory  
IUSS Shore Processing Facility

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## Contacts

Maritime Surveillance Division Head

Deputy for Program Development

## For employment information

Deputy for Operations

Reviewed and approved by

Commanding Officer  
SSC San Diego  
San Diego, CA 92152-5001  
SD 493  
July 2003



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SPAWAR  
Systems Center  
San Diego

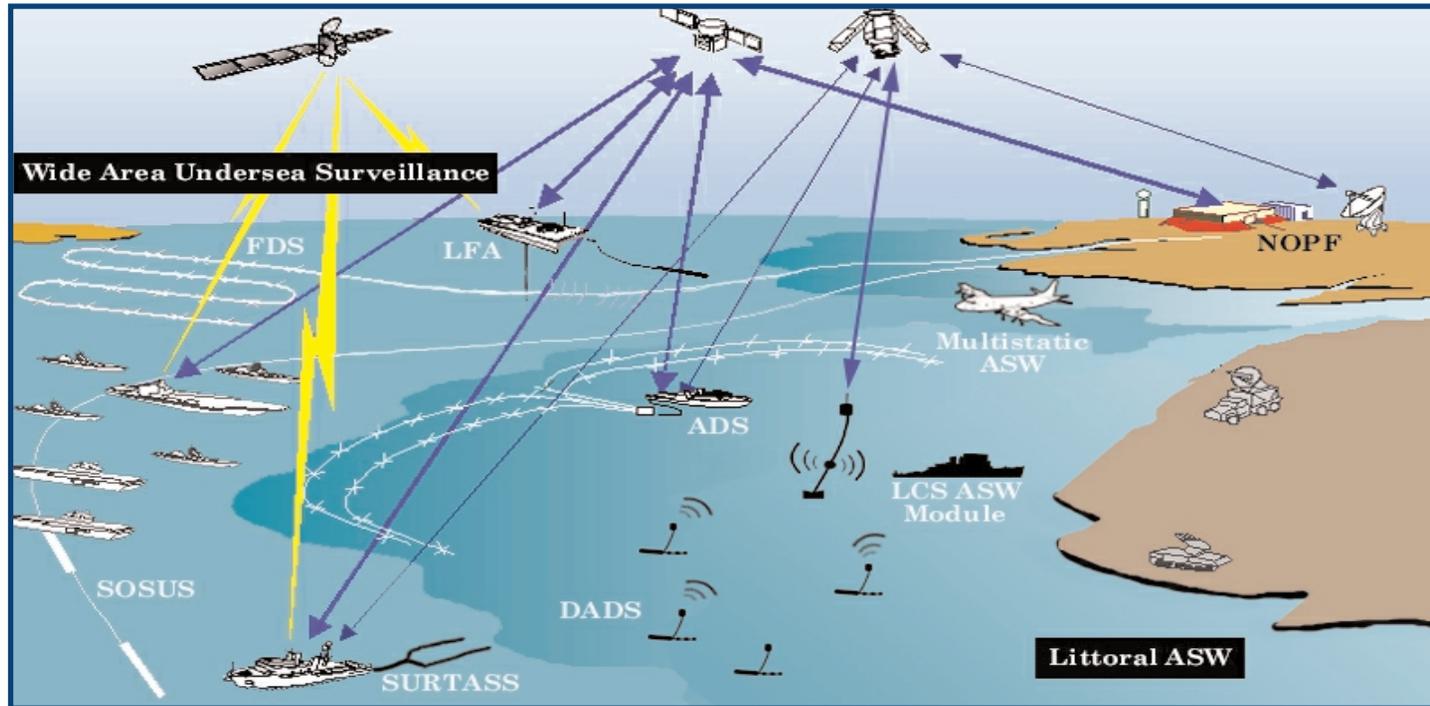
# MARITIME SURVEILLANCE DIVISION CODE 271



**Technical Leadership in ASW  
and Undersea Surveillance  
RDT&E, from Pt. Loma on San  
Diego Bay since 1940**



# Maritime Surveillance Division Overview



## Full Spectrum RDT&E for Maritime ISR Systems

### Basic Research

- Transducer Materials
- Electromagnetics
- Algorithms
- Sensor Concepts
- High Performance Computing
- Network Security
- Acoustic Models

### Exploratory Development

- Transducers
- Active Acoustic Processing
- Passive Acoustic Processing
- Non-Acoustic Sensors and Processing
- Unattended Sensors
- Modeling & Simulation
- Environmental Acoustics
- Acoustic Communications

### Advanced Development

- Full Spectrum Processing
- Acoustic Source Technology
- Long Endurance Low Frequency Acoustic Source
- Integrated ASW
- Off-Board & Deployable Systems
- Marine Mammal Compliance
- Deployable Autonomous Distributed System (DADS)

### DemVal--Operational Systems Development

- Advanced Deployable System
- SURTASS
- LFA
- SDS/SSIPS
- FDS
- IUSS Systems Engineering