



CEROS Industry Day

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Discussion



- Background
- ASW Challenge
- Potential Solutions

Background

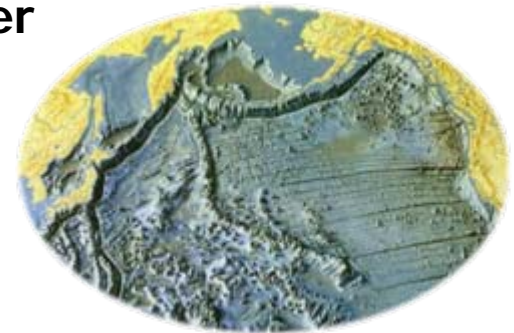


- The Command
 - Antisubmarine Force, U.S. THIRD Fleet
 - Commander: RADM Walsh
 - Also assigned as Commander, Submarine Force, U. S. PACIFIC Fleet
 - Operational Designation
 - Task Force 34 (reports to COMTHIRDFLT)
 - Personnel
 - 8 Officers (aviation and surface backgrounds, includes a Canadian Navy exchange officer)
 - 2 Civilians (Technical Director and Oceanographer)
 - 12 Sailors (9 Operations Specialist and 3 Information Technology ratings)

Background



- The Mission
 - Operational Responsibilities
 - **THIRD Fleet Theater ASW Commander**
 - Surveillance, Reconnaissance, Search, Track, Prosecute, Attack
 - **IUSS Operational Command**
 - OPCON of SURTASS ships in C3F AOR
 - **Experimentation**
 - **COMPACFLT's executive agent for planning and execution of Strike Group USWEX assessments**
 - Training Responsibilities
 - **Introduce Theater ASW planning and execution to Strike Groups during their deployment training**
 - **Participation throughout Fleet Response Training Plan (FRTP)**



Background



- Operational Objectives
 - Preparedness for Contingency Operations
 - ASW Advocate
 - Restoration of essential ASW capabilities in support of Global ASW CONOPS and Full Spectrum ASW
 - Participation in ASW Fleet Collaborative Team (FCT) Integrated Prioritized Capabilities List (IPCL) Process
 - Improve Fleet ASW Capabilities
 - Shallow water / Littoral Diesels
 - ASW FCT Goals
 - Participation in Undersea FORCEnet WG
 - R&D Involvement

Today's ASW Challenge



- Diesel submarine proliferation
 - Advanced weapons capabilities; increasing blue water threat
 - Sophisticated technologies; lower detection thresholds
- ASW Sensors
 - Technological obsolescence (ships/aircraft/subs)
 - Older/fewer/less reliable
- Multiple missions and competing priorities
 - Lessens ability to focus on a single mission area

Potential Solutions



- ASW Superiority Elements:
 - Sufficient resources to conduct ASW against any possible adversary while executing the primary mission
 - Likely Coalition environment that dictates a C4I architecture which ensures truly Joint/Allied interoperability
 - Improved sensors, both acoustic and non-acoustic
 - Must be smaller, cheaper, and better connected to the network
 - Solutions that mitigate environmental sensitivities
 - Must be responsible stewards of the environment
 - Automated / artificial intelligence in planning and execution
 - Network collaboration tools beyond Microsoft Chat
 - Capability to do realistic, integrated, and dispersed synthetic training

POCs



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Questions?