

Sea-Com™ IP/VoIP Shipborne Communication System



Gain integrated communications for all your onboard communication requirements

Benefits

- Usage of leading industry standards such as IP and VoIP
- Integrated internal and external communication supporting Voice & Data
- High availability - no single point of failure
- Efficient communication planning, management and control
- Management of multiple, secured voice sessions

Integrates and Supports Ship's Battle Systems

SEA-COM system provides a state-of-the-art, IP based Naval Ships and Submarines communication suite. Sea-Com fully integrates internal communication (voice, data, video) and external communication systems (HF, V/UHF and Satcom).

A redundant IP network and automatic reconfiguration management system ensures continuity of operations. Sea-Com is able to sustain battle damage and withstand harsh environments.

Designed for Modularity, Flexibility, and Upgrading

Sea-Com is a proven turn-key system that accommodates switching, distribution, and management. The modular design is scalable for any naval platform-surface ships, submarines, patrol boats.

Sea-Com provides the Naval forces with a flexible, customized and secure system to facilitate real-time strategic decisions. Sea-Com optimizes use of cutting edge IP and VoIP communication standards for a cost-effective solution that assures future proof and easy upgrading capability.



Key Features

Robust Naval IP Backbone

Sea-Com robust IP backbone supports any type of communication on board - data, voice and video. Its unique design and featured switching element provides a robust, reliable network using the most advanced IP standards.

VoIP/RoIP Based Voice Communication

Sea-Com handles all Naval voice communications, external and internal, using a highly developed VoIP/RoIP solution. Sea-Com converges different types of communication devices into a single system and operator terminal. It includes a powerful, built-in conference bridge that supports multiple simultaneous voice sessions for each operator and an unlimited number of internal and external radio conferences.

Naval Communication Manager

The communication manager performs setup and configuration of all communication elements. The application monitors proper operation and identifies faults.

The managed communication elements include IP and non-IP radios, IP-switches and routers, operator terminals and others. Communication channels are monitored and in case of faults, the user can drill down to all the data in order to isolate the problem and take corrective actions.

Naval Recording System

Sea-Com's built-in recording system records all voice, data and video sessions on board. An easy-to-use debriefing application allows a synchronized play-back of any stage in the ship's communication history.

Secured Voice Communication within Military Standards

Sea-Com includes several security measures to protect the system's health and contents. All voice sessions are protected and only authorized users can use secured communication channels. In addition, Sea-Com activates stringent terminal and user authentication to further seal the system from security breaches.

Operational Benefits

- Improves communication efficiency by removing the need for multiple single-purpose systems.
- The use of industry standards increases the system flexibility and reduces cycle time for future operational modifications and system growth.
- Ensures secure and protected network compatible with military requirements.
- Digital voice recording and debriefing application for voice, data and video.
- Mission planning including resources allocation.



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