

NETWORK SECURITY



XOmail Broadcaster

Exchanging messages with ships and submarines



XOmail Broadcaster

Characteristics

The XOmail Broadcaster extends high grade military messaging into the naval domain. Features such as guaranteed delivery, security and priority are mapped into the protocols and procedures used for naval communications. Messages are automatically routed to the correct link(s), with possibility for operator control via screening and vetting functions. XOmail Broadcaster is compatible with BRASS and BRASS EO.

BROADCAST

The XOmail Broadcaster automatically compiles the broadcast according to the configured schedule, including automated creation and transmission of Traffic Lists and Status Messages and automatic re-runs. Multiple broadcasters can be configured with individually configured schedules. Both submarine and surface formats are supported. The operator sees the status for individual messages at a glance. Broadcast monitoring is supported, with automatic comparison with the sent data. Functions are available for handling broadcast shift, both for individual ships and for groups of ships.

SHIP-SHORE

Automatic or manual link setup is supported. Received messages are automatically routed into the strategic system, or handed over to an operator in case of errors. Acknowledgements can be handled manually, or automatically via CARB or via the corresponding broadcast.

OTHER CHANNELS

XOmail Broadcaster supports MRL channels using ACP 127, or more general channels using STANAG 4406, SMTP (e.g. BFEM), or STANAG 5066. For channels with low bandwidth and/or reliability the tactical protocols of STANAG 4406 are supported (P_MUL, DMP).

SECURITY

XOmail Broadcaster is based on the same multi-level secure design as the rest of the XOmail Product Family, and ensures that messages can only be accessed by those with proper authorization. Operators can be given access to different broadcasters.

SUBMARINE SUPPORT

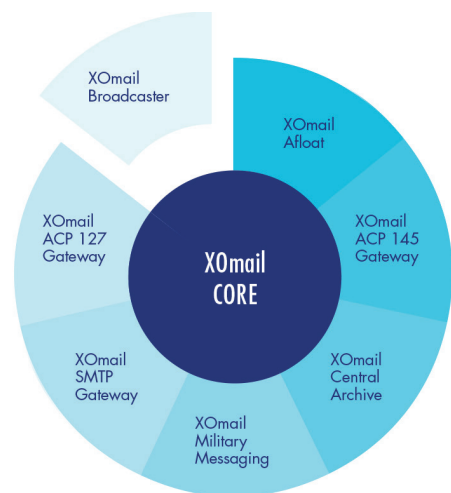
XOmail Broadcaster supports the special formats and procedures used for submarine communications, including use of VLF. Special features are included for minimizing the surface time and detection exposure, such as showing detailed message progress including estimated completion time and modified retransmission strategy when using PMUL. The submarine can also request a list of queued messages and then download messages that are critical to the current situation.

MANAGEMENT

XOmail Broadcaster has the same facilities for management as the other members of the XOmail Product Family, and can be managed both remotely and centrally. Logging includes powerful message tracing functions, as well as technical event reporting. Different users can be given access to different operations or different broadcasters.

KEY FEATURES

- STANAG 4406 integration
- BRASS compliant
- Built-in support for BRASS EO
- Integrates with BFEM
- Modern and future-proof solution
- Seamless integration with XOmail Afloat
- Centralized and efficient management



7 components with a common core