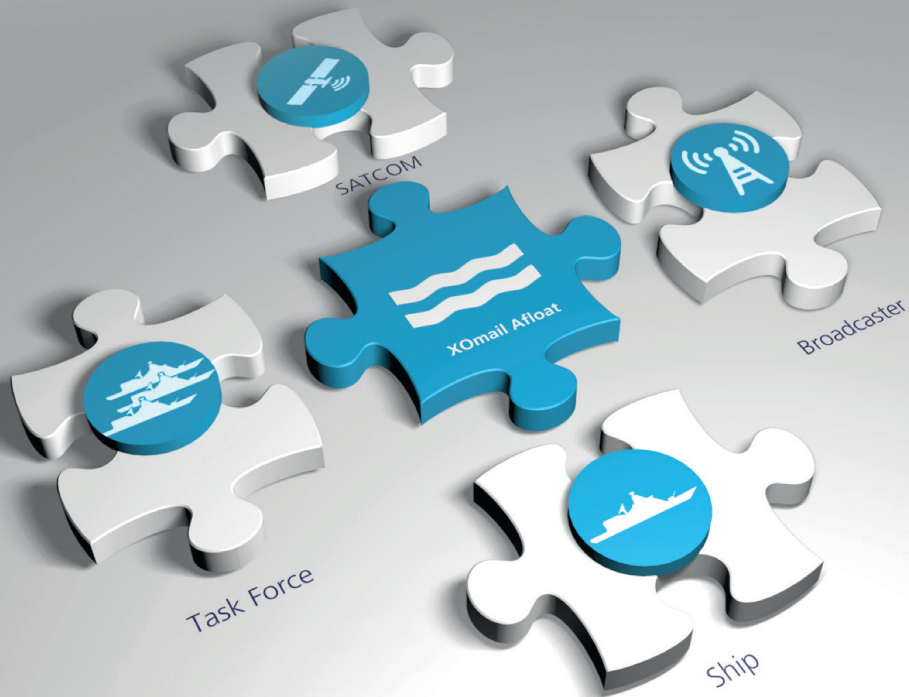


NETWORK SECURITY



# XOmail Afloat

## Military messaging for ships and submarines



# XOmail Afloat

## Characteristics

XOmail Afloat provides high grade military messaging to naval vessels. This includes guaranteed delivery, priority and security, and allows the Afloat users to be part of the overall defence infrastructure. XOmail Afloat has built-in support for BRASS and BRASS EO, allowing communications using ACP 127, STANAG 5066, P\_MUL (ACP 142) and BFEM (SMTP) in addition to STANAG 4406.

### BROADCAST RECEPTION

XOmail Afloat can monitor multiple broadcasters simultaneously, and can be configured to automatically accept messages destined to the ship or to ships for which this ship acts as Broadcast Guard. Traffic Lists and other standard service messages are automatically handled, and can also be presented to the operator.

### SHIP-SHORE TRANSMISSION

Messages to shore can be sent with manual control, or automatically based on monitoring a CARB channel. XOmail Afloat allows acknowledgements to be received via a broadcast channel.

### INTER-SHIP TRAFFIC

XOmail Afloat supports both formal and informal inter-ship messages. Formal messages use the ACP 127 format, while informal messages allow free-text chat-type exchange. Both types can be sent on the same channels. All data is logged and can be saved for later inspection.

### MRL AND OTHER LINKS

XOmail Afloat supports ACP 127 based MRL channels, as well as other channel types such as SATCOM, SMTP (e.g. BFEM) and STANAG 5066. Built-in functions allow messages to be automatically routed to the "best" channel, or to let the radio officer decide.

### SUBMARINE SPECIFICS

Submarine communications need to use efficient protocols to minimize the radio exposure. XOmail Afloat supports the P\_MUL and DMP protocols specified by STANAG 4406. These protocols are suited for low bandwidth and unreliable links. Messages can be queued at a shore-side access point. Submarine users can select messages to download from a list of available messages.

### RADIO OFFICER SUPPORT

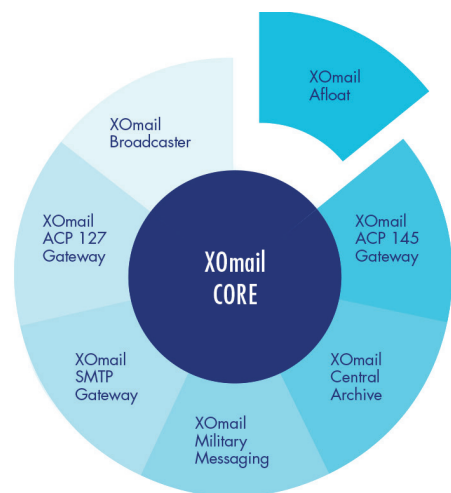
XOmail Afloat provides the radio officer with functions for controlling the use of radio resources. Outgoing messages can be queued for manual release, with possibility to release all or a subset of the messages to selectable channels. All ACP 127 channels include real-time monitoring capability, and the data can be saved for later inspection. Automatic link selection allows outgoing messages to use the "best" link according to a set of criteria (e.g. for SATCOM or quay network).

### MANAGEMENT

XOmail Afloat allows both local and remote management. Powerful logging functions are included to support message tracing. A Tactical Directory service allows the address book to be synchronized with the shore side even when using low-bandwidth links.

## KEY FEATURES

- BRASS-compatible
- Ready for BRASS EO
- Formal and informal inter-ship traffic
- Integrates with comms equipment
- Multi-user system with military workflow functions
- Integrates with PKI and Directory



7 components with a common core