

NETWORK SECURITY



XOmail Military Messaging

Advanced solution for headquarters and tactical cells



XOmail Military Messaging

Characteristics

XOmail Military Messaging includes a Military MTA (MMTA), providing military messaging for strategic and tactical systems with required features for security, military workflow, priority handling, STANAG 4406 communications, and optionally various gateways to other systems and networks. The messaging functions are tailored to military organisations, providing strict separation between official and personal messaging.

MILITARY MESSAGING

Military organisations rely on messaging systems for the distribution of plans, orders and other vital information. XOmail organizes and gives access to available information as part of a C4I system or as a standalone system. A formal messaging system is a key element in both peace time and in times of crisis.

The XOmail Military Messaging product is an essential component in a modern Defence Command and Control Infrastructure. Formal Messaging allows commanders at all levels to efficiently execute their tasks and provides a mechanism for the reliable transmission of orders and instructions.

MILITARY WORKFLOW FUNCTIONS

XOmail Military Messaging supports Formal messaging where messages are sent on behalf of organizations rather than persons. The Drafter and Releaser roles are separated, and Drafters can coordinate their messages with co-workers before submitting the message to the Releaser. Powerful automatic and manual distribution functions are provided for handling the information flow. Automatic distribution can be based on criteria such as SIC, subject, security label or ADatP-3 MSGID.

SECURITY

XOmail Military Messaging is designed as a Multi-Level Secure Military MTA (MMTA). All objects are associated with a security label, and access control is applied to all operations on objects. The MMTA manages users with different security clearances, and ensures that users only get access to objects within their clearance.

The MMTA uses Public Key Infrastructure (PKI) components to provide message integrity services using digital signatures, and allows adaptation to a range of PKI products, including nationally defined PKIs.

PRIORITY

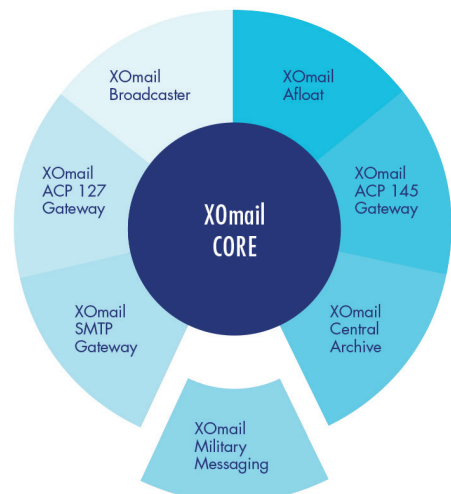
Messages are handled according to precedence, both within and between nodes. Higher precedence messages take priority and may suspend lower precedence messages until the communication resource becomes available. This ensures efficient use of bandwidth, even when small high-priority messages frequently interrupt other traffic.

CONNECTIVITY

Military messaging depends on connectivity to legacy systems. The MMTA can be supplemented with gateways towards systems using ACP 127 and SMTP, including maritime systems and systems from other vendors. This allows existing networks to be stepwise upgraded according to operational needs and limitations.

KEY FEATURES

- Multi-level secure design
- CC EAL 4 security evaluation (Q4 2016)
- Priority handling
- Military workflow functions
- Guaranteed delivery and message surveillance
- Integrates with other Product Family members to build a complete MMHS



7 components with a common core