The Tactical Mail Solution (TacMail) offers a number of key military features for message handling and transferring in a C4IS environment. TacMail enables the transfer of messages between organisational units rather than between individuals. Messages within an organisation can be sent automatically towards a specific role according to the defined rules.

TacMail provides a user-friendly, extendable and robust military messaging solution based on Open Source Software (OSS).

**KEY FEATURES AND BENEFITS**

- Designed for tactical mailing
- Lightweight and extendable mail client and mail server
- Secured mail transmission
- Optimised for combat net radio
- Compliant with NATO standards
- Easy administration
- Operations-proven solution
SYSTEM OVERVIEW
The e-mail client is based on the free Mozilla Thunderbird project. The military address book ensures that messages can be sent towards the e-mail client specific military functions. The user interface is optimised for standard and touch screen use. Specific Thunderbird extensions offer professional military messaging functions, e.g. manual triage, encryption and custom message forms. TacMail additionally offers the support for different languages (D, E, F, I).

SERVER
The TacMail server is based on OSS. Configuration is offered through the Open Configuration Interface (OCI). The automatic backup keeps your data safe. TacMail uses standard MSSQL database and allows rule-based automatic triage. There is a COM API to develop server enhancements.

SECURITY
The system supports an advanced encryption standard which is integrated seamlessly into the mail client as a Mozilla Thunderbird extension.

INTEROPERABILITY & STANDARDS
TacMail offers NATO interoperability with ADatP-3 message handling and ESMTP handling according to MIP-MEM. The e-mail solution is based on standards such as POP3 / SMTP, LDAP and TCP/IP.

RADIO COMMUNICATION
To ensure that messages can be sent over low bandwidth combat net radio (CNR), TacMail uses a reliable multicast transmission protocol.

USER BENEFITS
- **Flexible Licensing**
  Through the use of OSS no third party licenses are needed
- **Increased productivity**
  Through role based co-operation and interoperability
- **Less maintenance**
  Through use of OSS products and open standards
- **Faster useable**
  Through common ‘look and feel’ of mail client
- **Easy to enhance**
  Through extendable plug-in architecture of mail client and mail server
- **Optimised for CNR**
  Through the use of reliable multicast protocol optimised for low bandwidth networks
- **Open standards**
  Through the use of standard mail protocols
- **Secure system**
  Through the use of military proven encryption standards