

### SAFEmail for Defence

**A modular suite of Microsoft Outlook and Exchange components providing a comprehensive defence messaging solution.**

Through modular component architecture SAFEmail Defence Edition provides a flexible solution for all defence messaging requirements. SAFEmail Defence Edition delivers a proven ergonomic desktop across Basic, Medium and High Grade domains. SAFEmail supports conformance to the latest versions of formal “High Grade” military messaging standards such as Stanag 4406, ACP120, ACP123 and S/Mime-ESS. Uniquely SAFEmail Defence also offers a fully interoperable, simpler interface for Medium and Basic Grade Messaging.

Many defence organisations are now adopting the recommendations of Stanag 4406 Annex F, which defines a range of capabilities for Defence Messaging Solutions. This graduated range of functionality offers the most cost effective means of meeting user requirements whilst delivering the required capabilities. Deploying the full range of SAFEmail modules means that conformance to the latest versions of MMHS standards are fully met. Reducing the build content delivers a more cost effective, but fully compatible Medium or Basic grade capability. SAFEmail uses a dynamic load capability allowing a single desktop installation configured by logon profile.

SAFEmail is delivered with full Microsoft standard internationalisation capability and has already been translated into French, German, Greek, Arabic and Turkish language versions. There are over 1 million licenced SAFEmail components deployed worldwide.



“Global Go-To-Market partner for Messaging in Defence and Public Safety”



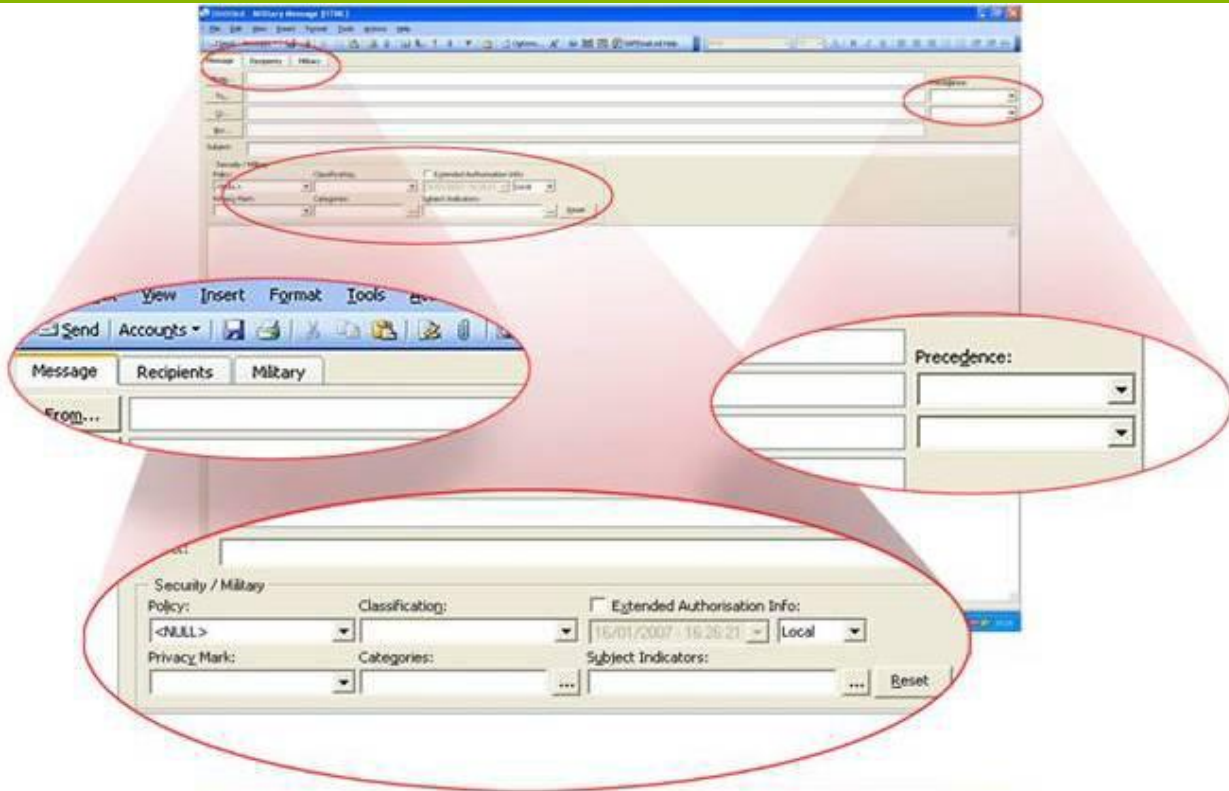


Fig 1: P772 military message integrated with Outlook

### Key Benefits

- Single common build and dynamic load dramatically reduces systems management costs.
- Single common user interface reduces training costs and improves operational flexibility
- COTs platform and deployed user base means reliability and cost effectiveness.
- Full standards conformance on client and server reduces costs of compliance.

### Key Features

- **Security Labeller and Release Control** – Ensures fully interoperable defence format security labels, with recipient release checking to support secure labelled information exchange.
- **P772 Military Forms** - Extensive military forms capability to support full P772 (STANAG4406) military messaging attributes, as well as P22 elements of service, to support IPM and role-based messaging. The form has been designed to offer a simple ergonomic interface with most frequently used fields easily accessible without needing to tab through frequent menus
- **High Grade Viewer:** A “read-only” interface to P772 messages. Reduces costs and increases operational flexibility

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- **Security module** - Providing support for message signing and encryption. ESS labelling for signing and encryption of PCT or S/MIME formats. The module can handle multiple certificates and software or hardware tokens. It also provides support for CRLs and extended PKI facilities.
- **MasterKey Plus** - supports integration with ACP 133 conformant X.500 and LDAP V2/3 Directory Servers. Features include sophisticated search, browse and secure directory connections. MasterKey is seamlessly integrated with Outlook and allows an external directory to appear as just another Outlook address book such as the GAL or Contacts.

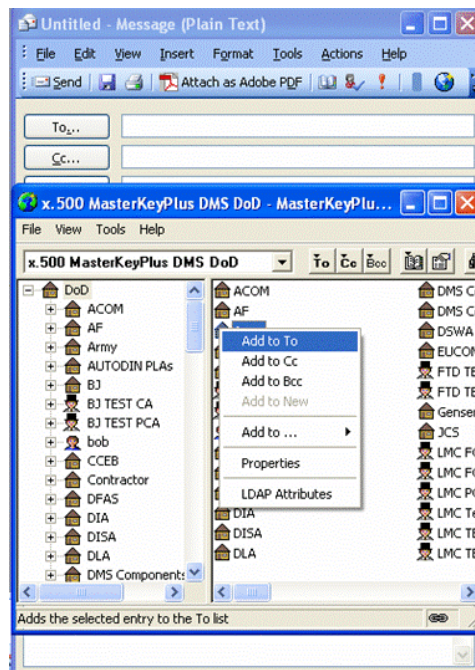


Fig 2: MasterKeyPlus browser offering a hierarchical view, search and retrieval capability

- **Draft, Review and Release** - Via a Draft and Release module built around Microsoft Exchange Server workflow. This feature offering powerful but flexible workflow facilities can be used to model the specific local practices for drafting, reviewing and releasing messages. This feature supports mandatory controls and optional signature and encryption during the drafting/releasing process.
- **P7 Transport Provider** – The majority of defence forces are now relegating X.400 servers to the edge or border of their networks. Occasionally though there are requirements to connect and more traditional X.400 MTA/Microsoft directly to the Outlook client. The P7 transport provider is an Outlook client MAPI transport that supports this requirement and conforms to the international standards for such connections.
- **Document Management Interfaces** - Allows document management archiving servers to safely deposit and retrieve military messages, whilst retaining all the properties of the message.

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### Related Products

**Stanag 4406 Annex E Tactical Gateway** - supporting the exchange of messages in environments where radio silence is required or only very low bandwidth connections are available i.e. less than 300 bps.

**SAFEmail Web Client** – A sister product to SAFEmail delivering a similar capability via a zero footprint version of the Microsoft OWA (Outlook Web Access) client.

**X.400 Bridgehead** - Extensions to Microsoft Exchange 5.5, Exchange 2003 and now Exchange 2007 that support the X.400 protocol requirements of defence messaging. Tightly integrated with SAFEmail.mil, the Exchange Bridgehead Server allows Microsoft Exchange to seamlessly integrate as a compliant X.400 server within defence systems.

**ACP145 Gateway** - A Microsoft Exchange based implementation of the new ACP145 gateway protocol. The innovative Boldon James design can be rapidly implemented and offers transition support between many legacy protocols and the new ACP145.

**SAFEagent** – An Exchange Mailbox to XML 2-way gateway supporting import and export of military Exchange and external applications.

**SAFEchat** - A defence enabled CHAT solution. Based upon Microsoft Live Communications Server (LCS) SIM adds persistence, labelling, archiving and conversation access control.

**About Boldon James** - For over 20 years we have helped organisations with the most demanding and complex communication requirements manage sensitive information securely and in compliance with legislation and standards.

Our solutions extend the capabilities of Microsoft core infrastructure products to allow secure information exchange and in 2006 we were elevated to Microsoft Global Go-To-Market Partner. Boldon James is a wholly-owned subsidiary of QinetiQ, with offices in the UK, US, Australia and Europe, and channel partners worldwide.

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