

# Boldon James

A QINETIQ company

## X.400 Bridgehead For Microsoft Exchange

**Enabling STANAG 4406, ACP120 & ACP123 for Microsoft Exchange**

### At A Glance

The Boldon James X.400 Bridgehead is designed to help military and intelligence organisations operate as a fully compliant X.400 MTA, communicating using the P1 protocol. This also means full support for ACP120, ACP123 and STANAG 4406.

With the introduction of Exchange 2007, Microsoft has re-architected the messaging server and X.400 support will be provided by a Boldon James supplied component. The Exchange 2007 Boldon James X.400 Bridgehead for Exchange will be a tightly integrated plug-in installed, configured and managed by an MMC Snap-In. This new version has already been tested and conforms to all the relevant defence messaging standards.

### How It Works

The Exchange Bridgehead Server supports end-to-end STANAG messaging capability by using three separate components.

### Key Benefits

- The ability to run a STANAG compliant MMHS across an exchange domain
- Simplified admin and management interface
- Fully compliant with ACP120, ACP123 and STANAG 4406



- Boldon James SAFEmail® Military Messaging Client
- Microsoft TNEF
- Exchange 2010, 2013 and 2016

Firstly, in order to create a STANAG 4406 message, a copy of Boldon James' market leading SAFEmail® military messaging client is needed to add military attributes before rendering them as MAPI properties within the message. Next, the message properties are wrapped using standard Microsoft Transport Neutral Encapsulated Format (TNEF) for transmission to the next Exchange Server. If that server is another Exchange Server the message is passed straight to another Boldon James client, which interprets the TNEF and renders the military attributes, ready to be displayed.

The final component comes into play when the TNEF data is passed to the Exchange Bridgehead Server for transmission over its X.400 Bridgehead to the external X.400, ACP/ Stanag world. At this stage the extensions within the Bridgehead, developed by Boldon James, remove the TNEF and reconstruct the message as a genuine STANAG 4406 message with associated military properties.

Provides a mechanism for interoperation with LDAP directories as part of a diverse directory environment. Particularly useful in environments where departments are semi-autonomous and implement different solutions to meet their needs, without considering interoperability.

## Supported Content Types

The bridgehead supports the following content types both outbound and inbound:

- P22 (including envelope security label)
- P772 (including envelope security label)
- Protected Content Type (PCT) (including envelope security label)

## Licensing And Use

The Exchange Bridgehead Server extension is issued by Microsoft as a separate option to the Exchange 5.5 (SP4) server or as a standard configurable feature inside Exchange 2003. In Exchange 2007 the X.400 Bridgehead is available from Boldon James as a plug-in Exchange component.

## Associated Products

- **SAFEmail®** - Delivering a High grade (STANAG 4406) military, medium and / or basic message handling capability for the Microsoft Office Outlook client.

