FUJITSU

High Grade Messaging Discovery Service
Delivering your exacting secure messaging requirements

The Defence & National Security sector is facing unprecedented challenges with a new world of greater connectivity where information is the real Force Multiplier. As a result, there continues to be a drive for fast, reliable communications to enable greater exploitation of information across all communities. This is particularly the case with High Grade Military Messaging, a high assurance communication capability used for the exchange of information vital to the execution of military operations. It is a widely used service that is critical to

command and control of operations which increasingly involves communication with allied military partners.
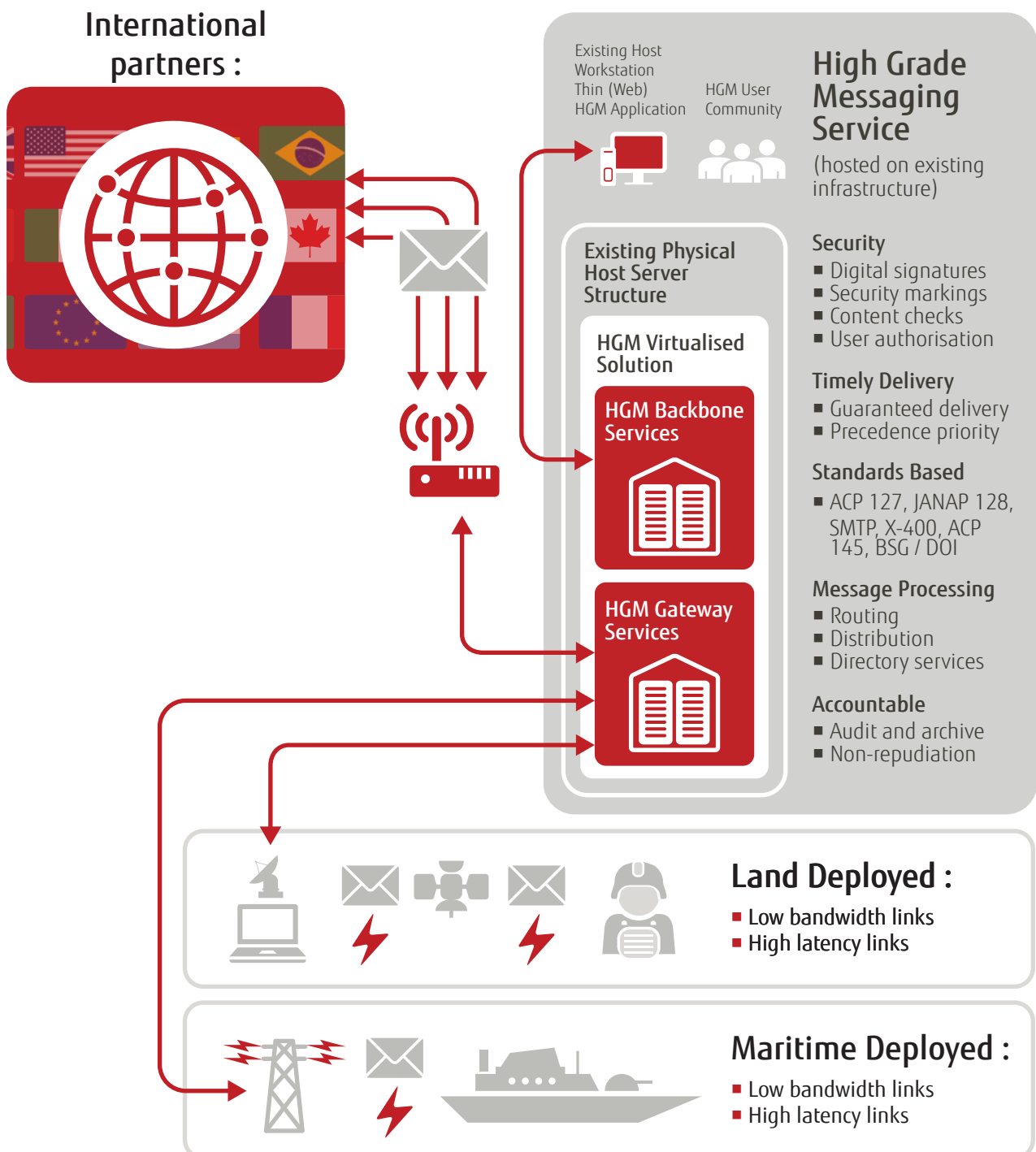
The critical nature of such communications means that confidentiality, integrity, availability, proof of delivery and guaranteed delivery are of paramount importance to ensure that the instruction is received as intended.

Fujitsu's High Grade Military Messaging (HGM) capability provides a robust, highly available service for fixed, land and deployed units in any security domain. The solution is able to deliver to all UK international military messaging gateways and interoperate with all existing UK military messaging systems. It also has the capability to deliver across the current and next generation of hosting platforms, including the MOD's Defence as a Platform (DaaP) initiative.

In order to deliver such high levels of assurance, Fujitsu delivers High Grade Military Messaging systems that provide:

- Confidentiality: only those with a "need to know" can view the message
- Integrity: ensuring that the message has not been altered deliberately or accidentally during transmission
- Availability: assurance that the message is delivered as soon as it is needed
- Authenticity: ensuring the message has originated from the claimed sender
- Accountability: utilising non-repudiation controls to ensure that message dispatch and receipt can be proven for compliance with ICT legislative requirements.

International partners :

Existing Host Workstation Thin (Web) HGM Application

HGM User Community

High Grade Messaging Service
(hosted on existing infrastructure)

Security
- Digital signatures
- Security markings
- Content checks
- User authorisation

Timely Delivery
- Guaranteed delivery
- Precedence priority

Standards Based
- ACP 127, JANAP 128, SMTP, X-400, ACP 145, BSG / DOI

Message Processing
- Routing
- Distribution
- Directory services

Accountable
- Audit and archive
- Non-repudiation

Existing Physical Host Server Structure

HGM Virtualised Solution

HGM Backbone Services

HGM Gateway Services

Land Deployed :
- Low bandwidth links
- High latency links

Maritime Deployed :
- Low bandwidth links
- High latency links

Fujitsu's HGM Discovery Service

To enable customers to fully understand how our HGM capability can meet their exacting secure messaging requirements and deliver real business benefits, we offer a 3-day Discovery Service. This in-depth consultancy service is offered free-of-charge and led by our team of security-cleared industry experts.

Highlights of this service include:

- Access to unrivalled real-world experience
- Market-leading insight and thought leadership
- Assessments and recommendations specific to each customer's requirements
- In-depth focus on how to realise business benefits
- Addressing technology and business requirements
- Providing a solid foundation for business case development.

As is the case with the adoption of any new technology, customers often require assistance and support to embed a new solution in to their operations, ensuring the maximum benefits are realised. Recognising this, Fujitsu's HGM Discovery Service provides customers with a clear adoption strategy with emphasis on operational objectives, business benefits and well-defined success criteria. Our experience has taught us that establishing early stakeholder engagement and buy-in decreases any resistance to adoption.

We also provide open access to our dedicated team of HGM technology experts who share an unrivalled experience of the exacting requirements demanded by the Defence and National Security sector. Following the delivery of the service and related recommendations, a priced proposal for a HGM pilot may follow, if appropriate.

Unrivalled real-world experience

Fujitsu's long-standing presence in the military messaging space means that we have the experience to specify and deliver new and next generation military messaging solutions. We utilise technology and approaches that are compatible with the latest infrastructures and adhere to the most effective security, service and delivery models used in the industry. Coupled with Fujitsu's work alongside the UK Ministry of Defence and a wide range of other government departments, we have an excellent insight into the challenges of joining up information seamlessly. This may often be across organisational boundaries, in order to respond effectively to any situation in the emerging new global battlespace, enabling that information to be a Force Multiplier. As well as this unrivalled real-world experience, Fujitsu's military messaging capability is further supported by:

- **The Military Messaging Centre of Excellence**
  Fujitsu's dedicated Military Messaging Centre of Excellence has experience in the design, delivery and support of scalable, highly available, robust and high performance military messaging solutions and associated military messaging gateways and directory services. The team of specialised experts is familiar in working with and delivering solutions supporting ACP, DOI, ADAT-P3 and other military messaging standards.

- **Complete system security**
  In addition to full penetration testing that adheres to the most stringent security requirements and making use of CESG (The Information Security arm of GCHQ) architectural patterns for gateways, Fujitsu also consults extensively with CESG, the definitive voice on the technical aspects of information security in Government. The result is that full cybersecurity capabilities are built in to the core of all of our ICT solutions for the Defence sector. Fujitsu has also worked and continues to work with many customers and arms of government to gain accreditation for our High Grade Military Messaging systems.

- **Cost-effective, future-proofed solution**
  In line with the MOD ICT strategy, Fujitsu's solutions use a selection of industry-leading commercial off-the shelf (COTS) products that can be hosted using existing infrastructure and hosting environments, including the MOD Defence as a Platform (DaaP) initiative. As a result, they take less time to develop and implement and drive greater coherence of MOD investment. Associated training costs are also lower. Utilising shared hosting environments and infrastructure also potentially identifies duplications and unnecessary dependencies are often discovered. Legacy systems may be eliminated, rationalising the IT landscape and further cutting costs.

The end result is a highly-reliable, cost-effective future-proofed solution, built and fully supported by Fujitsu's team of security-cleared experts.

Why Fujitsu?
Enabling information to be the real Force Multiplier

Delivering a highly available, robust and secure military messaging capability is another example of how Fujitsu can deliver a real Force Multiplier effect for the Defence sector. Fujitsu understands the modern-day complexities and challenges facing military organisations and intelligence communities. As a result of our work across the Defence sector we have an excellent insight in to the challenges that surround the 'joining up' of information across many large agencies in order to respond effectively to any situation in the emerging new global battlespace.

That's why partnering with Fujitsu can help to improve the quality of your information and how you use it. By exploiting a wide range of ICT-based solutions, like our High Grade Military Messaging capability, we enable this information to deliver a real Force Multiplier effect, dramatically increasing the efficiency and effectiveness of your Force's limited resources.

We're expanding our Global Defence & National Security portfolio, supporting customers across Europe, the Middle East and India, Asia Pacific, Canada and the USA. Our commitment to military deployed infrastructure is unrivalled among ICT companies and we provide the same high level of support to Defence & National Security customers wherever they are, be that in the office, at headquarters, on the road, on foot, at sea, in the air or in combat.

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