

## UK MOD – Secure Collaborative Working Environment - Scope

Collaboration Working Environments (CWE) vary for very complex inter governmental department, multi nation and multi-industrial base through industry to MOD industry to industry configurations.























The scope of the TDI market coherence is comprehensive. However, the initial focus will be on the simpler use cases and will be mindful of the need for larger more complex CWEs.

The initial market coherence will focus on companies whose main offering are collaborative working environments. It is possible that these offerings can be aggregated together or included as components of a more complex CWE.

It is also recognized that some defence OEMs provide CWEs to either as part of an overall contract with the UK MOD or as a service to a consortium that has a delivery contract into the UK MOD.

## UK MOD – Secure Collaborative Working Environment - Service Catalogue

Collaboration services to assist UK MOD and the industrial base to work together in a secure and accredited environment

| Service - Collaboration    | Notes  | Technology | OS   | Secret   |
|----------------------------|--|------------|--|--|
| Voice and Video            | Room based system  |            |   |   |
| Instant messaging and chat | Access by group & individual   |            |   |   |
| Document Management        | Controlled access by group and individual                                    |            |   |   |
| Community/Project Enclaves | Multiple projects or programmes can be segregated on single system           |            |   |   |
| In room visualisation      | Real time collaborative information sharing                                  |            |   |   |
| Digital Whiteboard         | Idea generation, education, collaboration                                    |            |   |   |
| Office Productivity Tools  | Information and content modification, sharing and creation                   |            |   |   |
| Secure File Transfer       | Large files transferred securely between customer/supplier/partner locations |            |   |   |
| Engineering applications   | Product Lifecycle Management   |            |   |   |
| Development tools          | Low Code/ No Code Application development tooling                            |            |   |   |
| High Performance Compute   | Achieved through scaling of existing hardware platform                       |            |  |  |

## UK MOD – Secure Collaborative Working Environment - Service Catalogue

Service management services that ensure the availability of the CWE and its on-going security and information assurance.

| Service - Management                             | Notes   | Technology | OS | Secret |
|--|---|------------|----|--------|
| Service desk                                     | Incident reporting and resolution, request management, Multi skilled 2 <sup>nd</sup> and 3 <sup>rd</sup> line support |            |    |        |
| Security Information and Event Management (SIEM) | Hosted on infrastructure accredited to Official Sensitive and or UK Secret  |            |    |        |
| System Health Monitoring                         | Hosted on infrastructure accredited up to Official Sensitive and or UK Secret   |            |    |        |
| Anti-Virus                                       |   |            |    |        |
| Backup and Recovery                              | Onsite and offsite locations  |            |    |        |
| Enhanced resilience                              | Hot and Cold backup and restore options   |            |    |        |
| Patch Management                                 | Updating of software and firmware to introduce new features/ resolve issues   |            |    |        |
| Vulnerability Scanning                           | Using published intelligence reports to scan services for vulnerabilities requiring resolution                        |            |    |        |

## UK MOD – Secure Collaborative Working Environment - Service Catalogue

Connectivity services that allow the CWE to exchange data and information with other secure data environments..

| Service – Connectivity  | Notes  | Technology | OS | Secret |
|-------------------------|--|------------|----|--------|
| UK MOD Gateway @ Secret | Allows browse across onto UK MOD Secret networks                   |            |    |        |
| Cross domain gateway    | Allows connectivity to other networks (industry partners) @ Secret |            |    |        |
| Secure File Transfer    | Large files between customer/supplier/partner locations            |            |    |        |
| UK MOD Email @ Secret   | Allows two-way email with team on UK MOD Secret networks           |            |    |        |

Service Access provides an overview of the type of access devices, form factors and environments that each supplier can either provide or integrate with.

| Service - Access             | Notes   | Technology | OS | Secret |
|------------------------------|---|------------|----|--------|
| Fixed room video conference  | Fixed Room video conferencing with dedicated VTC equipment              |            |    |        |
| Remote access points         | From Facilities Security Cleared (FSC) locations                        |            |    |        |
| High grade appliances        | NCSC CAPS approved cryptographic keys - Suite A, B, C2, including PRIME |            |    |        |
| Ruggedised Deployable Access | Includes crypto, VTC, Local Compute, Thin Client access devices         |            |    |        |
| International access         | Access to UK hosted system from approved Non-UK locations               |            |    |        |
| non-FSC locations            | Includes laptop and mobile NCSC CAPS Crypto                             |            |    |        |

## UK MOD – Secure Collaborative Working Environment - Service Catalogue

Service that allow multiple projects to work independently of each other in a secure manner that prevents data loss and unauthorized sharing of data or information.

| Service – Multi project     | Notes  | Technology | OS | Secret |
|-----------------------------|--|------------|----|--------|
| Secure Data Enclaves        | Community-specific project workloads   |            |    |        |
| Cross domain out from CWE   | Import/ Export (ImpEx) data between CWE and external system of different security classification |            |    |        |
| Internal CWE Email          | Internal email within the CWE  |            |    |        |
| Data Loss Prevention        | Safeguard against data being sent to unauthorised recipients                                     |            |    |        |
| Software Defined Networking | Micro-segmentation of user data traffic  |            |    |        |

Encryption services that ensures that data and information is held and transmitted in a secure manner.

| Service - Encryption                         | Notes  | Technology | OS | Secret |
|--|--|------------|----|--------|
| Data encryption- in transit                  | HMG/NCSC approved Data encrypted in transit between secure locations                       |            |    |        |
| Data encryption- at rest                     | Each CWE has its own hardware generated highly secure key for data at rest encryption      |            |    |        |
| Key and certificate management.              | Each CWE has its own hardware generated key for data encryption and certificate management |            |    |        |
| Quantum resistant data in transit encryption | Improved security assurance of data in transit through quantum resistant techniques.       |            |    |        |

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Access control services to ensure authenticated user can only access the data and information that they are authorized to.











| Service – Access control | Notes  | Technology | OS | Secret |
|--------------------------|--|------------|----|--------|
| User identification      | Multi factor identification (MFA)  |            |    |        |
| Biometric identification | Improved user experience, whilst maintaining security                      |            |    |        |
| Trust policy             | 'One way trust' between Organisations and Projects preventing data egress. |            |    |        |
| Permission policy        | Role based access controls – not 'individual'                              |            |    |        |

Robust security in depth isolation of services to provide additional physical resilience.

| Service – Physical             | Notes   | Technology | OS | Secret |
|--------------------------------|---|------------|----|--------|
| Separate data centers          | Active standby or active load balanced                              |            |    |        |
| Physical separation of servers | Physical separation of server hardware from other services          |            |    |        |
| Isolated storage               | Storage physically isolated – dedicated storage to user communities |            |    |        |











## UK MOD – Secure Collaborative Working Environment - Service Catalogue

Service Assurance is provided by third party organisation that either audit, accredit or assure the supplier's services. Note that each instance of a set of services are independently accredited by the Authority and this table provides an indication of the company's capabilities and experience to provide an accredited service.

| Service – Assurance     | Notes  | Technology | OS  | Secret  |
|-------------------------|--|------------|---|---|
| UK compliance           | Secure by Design - NIST 800-37 model – Zero Trust architecture |            |  |  |
| Assurance Frameworks    | NIST Cyber Security Framework, ITIL aligned Service Management |            |  |  |
| Organisation frameworks | ISO 9001, 20000, 27001   |            |  |  |
| Protective Monitoring   | GPG13  |            |  |  |
| Environment hardening   | Centre for Internet Security (CIS) benchmarks - NCSC policies  |            |  |  |

## UK MOD – Secure Collaborative Working Environment - Commercial

The CWE services can be contracted via a number of ways either UK Government frameworks, via DE&S etc. Industry can contract directly with the CWE supplier. This section should capture currently offered contractual route.

| Contractual               | Notes  | Client       | OS  | Secret  |
|---------------------------|--|--------------|---|---|
| Crown Commercial Services | List any past or present frameworks used and or offered. | MOD          |  |  |
| Framework                 | List frameworks supplier has been qualified for.         | MOD          |  |  |
| DE&S                      | List DE&S contract types in use and or offered.          | Industry     |  |  |
| Direct                    | Describe type of contracts in use and or offered.        | Industry     |  |  |
| International             | Describe type of contracts in use and or offered.        | Non – UK MOD |  |  |