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Defence
& Security

6 Steps to Alignment with MOD Secure by Design (SbD)

A comprehensive security approach



These guiding principles will serve as the foundation for future MOD system security

Secure by Design is here.

The MOD have adopted a Secure by Design (SbD) approach to provide greater confidence in the resilience of their systems to the cyber-attacks of today and the future. SbD is the only approved approach to achieving 'accreditation' for capabilities being delivered into defence.

Why is Secure by Design Important?

The MOD recognises that the future demands a more holistic approach to security and SbD goes beyond the traditional reactive measures by putting proactive defence at the forefront. This approach relies on other stakeholders, including its contractors, technology developers and security experts to identify vulnerabilities within delivered capabilities and design effective controls to protect against exploitation. This increased accountability will bring cyber security to the forefront of everyone's minds and help ensure that defence receives more resilient products.



CONFIRM

Does the product / service / programme need to adopt **SbD**?

Our Internal Matrix can be used to assess whether **SbD** even needs to be adopted with evidence being provided for the recommended decision.

1



UNDERSTAND

This step will allow the enterprise to identify, understand and prepare for governance to be aligned whilst ensuring that the capability being built is well placed to address security risk from inception.

Our Security-Cleared Cyber Security Consultants will guide the development of up to 9 artefacts derived from the **NIST SP800-37 Risk Management Framework**.

2



ENGAGE

The important phase whereby the liaison and registration with the **SbD** authorities occurs.

Early engagement and relationship building assures the development of the capability early.

The official registering of the capability is the first official step in being designated **SbD**.

3



DEVELOP CULTURE

A clear and well-defined understanding of specific roles and responsibilities will enforce accountability and minimise duplication of effort.

We will help you ensure that a positive security environment is created and maintained, where all individuals can confidently voice security concerns which can subsequently be handled and mitigated appropriately.

4

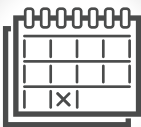


ASSESS & CONTROL

CDS D&S can complete a thorough assessment of the project / programme or system risks which will allow appropriate controls to be introduced.

Guided by the 7 Principles of **SbD**, we will help you ensure that the appropriate controls are applied to help satisfy the security requirements of the capability.

5



FUTUREPROOF

6

CDS D&S can help you achieve ongoing alignment to **SbD** by supporting your move towards continuous risk management and assurance processes.

We will help you integrate frequent interactions with stakeholders into your business as usual processes to help ensure that all parties are aware of the current threats, vulnerabilities, and risks associated with the capability.

Other aspects of futureproofing that we can support you with are the ongoing management of your supply chain, changes in **SbD** requirements and design principles, and helping you understand how current threats impact your capability.

The Benefits of Secure by Design for you?

SbD offers many benefits for the MOD and its end users, notably:

- Assurance will be embedded within capability process, thereby addressing new threats more regularly than the previous snapshot in time approach to accreditation.
- It will improve security awareness by incorporating far more stakeholders, providing more eyes on the capability that will result in more vulnerabilities being identified.
- It will allow for capabilities to remain in service longer, reducing the requirement for new projects (saving precious resources).
- Trust and confidence in capabilities to meet today's threats will be greatly enhanced.



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Our Cyber Security & Information Assurance (CS & IA) Services are designed to minimise information security risk and maximise digital resilience to optimise your operational effectiveness.

If you need assistance implementing Secure by Design please contact CDS DS for a free consultation with one of our leading experts in CS&IA.



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