Support to a Cryptographic Enabling Services Programme

THE CLIENTS' CHALLENGE

The Cryptographic Enabling Services (CES) programme was addressing a Government department's information and communications system's security obsolescence.

The department required a due diligence study that would examine the current cryptographic infrastructure. This would inform the business analysis of the key management elements of the programme.

BRINGING A LASTING LEGACY

The framework of process improvement knowledge established by VIMA Group gave the client the ability to assess processes, roles and supply chain issues themselves. This knowledge will help identify where future improvements can be made to achieve further savings.

HOW WE HELPED

VIMA played a crucial role in the development of the CES programme by conducting three critical impact studies.

- **Cryptographic Key Study.** We collected, collated and analysed data from a wide range of stakeholders to help determine the programme's key requirements.

- **Requirement Study.** We audited and analysed over 300 individual crypto plans. In addition, we assessed the process for determining a project's cryptographic needs and producing an appropriate plan, making recommendations to improve them.

- **Cryptographic Use Case Study.** We applied Systems Engineering methodologies to analyse the scope of use cases required to support the CES programme, assess the validity of current use cases, identify any gaps in information and to establish the development and production of additional use cases. This enabled the programme to fully articulate requirements for key management.

ACHIEVING SUCCESSFUL OUTCOMES

As well as producing the programme's use case and requirements documentation, VIMA also identified a number of efficiency savings:

- An excess of keys was being produced and distributed across the department. We put forward efficiency-saving recommendations to reduce the number of keys, by basing requirements on demand, rather than a routine quantity.

- We provided recommendations as to where improvements across the supply chain could be made, in order to ensure that all future initiatives were resourced appropriately.

- Process improvements were identified, which defined the governance framework and the responsibilities of key roles better. This resulted in further efficiency savings.

- We reviewed the use cases to provide an improved understanding of the programme requirements. This enabled the customer team to refine the key management processes, resulting in a more efficient service, better suited to their needs.

CAPABILITIES WE PROVIDED

Procurement Support
P3M & Project Controls
Cyber Assurance
Business Analysis
Data Analytics
Learning & Development

"The VIMA team developed a robust research methodology that was fully endorsed by the Scrutiny Community and aggressively applied throughout their work. The team delivered the Project Deliverable Documents on time and to a very high standard, providing sound recommendations based on solid evidence. The output from the Due Diligence work-stream has provided material benefit to the authority and enabled Defence to make considerable efficiency savings."

Dr David Wright, *Requirements Lead for Security Infrastructure*

If you want to investigate and establish efficiencies, speak to **Darren**

in Connect with Darren

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