

Cyber Resilience Wargaming



BAE SYSTEMS

We are Techmodal

A collaborative data consultancy, bringing the capability and creativity you need to unlock the strategic potential in your data.

As Defence and Government experts, we understand the unique complexity of your constraints. Adaptive, imaginative and iterative, we meet you where you are – and start with what you have.

We focus on making more of your existing tools and technology. Applying smart thinking and continuous improvement to uncover the insight in your data – and help you move past your stickiest problems. Optimising your investments, operations and outcomes. Maximising the impact of your resources towards a better future.

Our clients operate in high-stakes, highly technical and highly secure environments. The pace is fast; the demands are complex and the cost of getting decisions wrong is high. They need partners who bring clarity, precision and practical expertise — not complexity for its own sake.

Our value comes from combining deep analytical strength, applied technology expertise and hands-on consulting experience. We turn ambiguity into clarity and insight into action.

What we offer

We operate at the cutting edge of digital innovation and at the heart of organisations that keep vital infrastructure running, national security protected, and armed forces prepared. Our teams provide:

Decision advantage

We give organisations the insight to act with clarity and pace, ensuring choices made today hold up under tomorrow's pressure.

Our strength comes from being data-led, operationally aware and grounded in real-world context. We explore options, test scenarios and highlight trade-offs before action is taken, building confidence in complex and high-consequence environments.

Technology that works

We help organisations unlock the full value of their technology and existing investments. Our solutions are shaped to our clients' environments — secure, scalable and designed for reuse — delivering faster outcomes and greater value for money.

We stay user-driven, not technology-driven, ensuring what we build is usable, dependable and impactful.

Delivery impact

We work shoulder-to-shoulder with clients to turn ambition into results. Our approach is collaborative, adaptive and focused on rapid progress.

We build momentum early, provide clear answers before the conversation moves on and ensure delivery stays aligned to purpose. Whether defining strategy or supporting implementation, we bring clarity, structure and practical leadership.

Strength in secure and complex environments

All our work is delivered by security-cleared teams who understand the realities of Defence, national security and critical infrastructure.

We design and assure solutions that are resilient, secure and governed — engineered to work in environments where constraints are real and reliability matters.

Powered by BAE Systems Digital Intelligence

We combine the pace, creativity and agility of a specialist consultancy with the depth, reach and security of BAE Systems.

Clients benefit from a unique blend of niche expertise and enterprise-scale capability, with seamless access to Digital Intelligence, engineering, cyber and equipment programmes when required.

Service Overview

Cyber resilience wargames that identify and codify risks of an event against confidentiality, integrity and availability of a software system or business process.

The Cyber Resilience Wargames we have designed, developed, and delivered use an operational lens to focus on understanding the potential operational impact of a cyber event and put in place continuity plans to mitigate any risk. Using best practise from the Defence Wargaming Handbook, these wargames assess the impact of an event against confidentiality (an actor gaining access to a system), integrity (an actor changing data within a system) and availability (an actor removing access to a system) on a piece of software or business process.

They are delivered for a Defence client who must deliver concurrent complex tasks and who relies on a wide range internal and external partners to deliver its operational effect.

Each of these wargames can be part of a programme designed to deliver a complete risk picture and mitigations. We provide support over the whole lifecycle of the programme including the project management function, scenario and vignette development, the EXCON staff for each game themselves and report writing which summarises the key findings and lessons identified. Using scenarios encourages attendees to consider their

reliance on technology and to think about how the information they use could be utilised by a hostile actor.

These wargames are part of our data-driven wargaming solution to support senior level decision making, including; Designing the wargame approach including identifying and pre-briefing key stakeholders on roles and desired outcomes; Developing supporting tools and datasets to enable live modelling, facilitating wargames including home team and red team activity; Delivering flash reports and issuing final reports with recommendations for process improvement.

The approach has been successfully delivered amongst senior stakeholders in Defence, and for education and training purposes with university and professional student cohorts.

Service Features

- Red team focussed wargame methodology
- Full wargame service from design and delivery to reporting
- Assessment of all types of threats (confidentiality, integrity and availability)
- Coherent with the NIST Cyber Security Framework
- GOSCC and Defence Cyber School endorsed process
- Coherent with the Defence Wargaming Handbook
- Established processes and procedures delivered for multiple clients
- Scalable to each organisation's attack surface

Service Benefits

- Risk identification and development of targeted mitigation actions
- Internal process improvement and greater resilience
- Business continuity plan development and refinement
- Increased cyber awareness for attendees of the games
- Full reporting at required level of classification

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Contact: John Atkins
tenders@techmodal.com