

Cyber Security Exercising and Assurance Service

A QinetiQ Cyber Security Service

Key Benefits

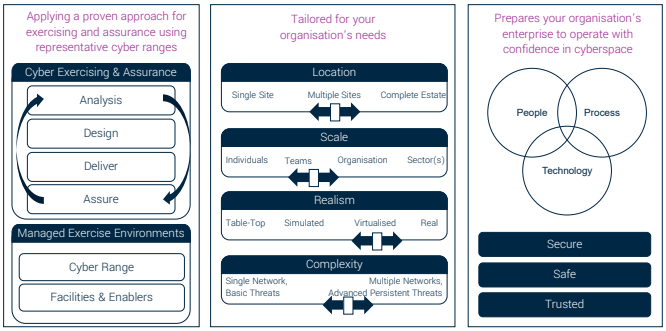
- Operate in confidence and maximise the opportunities cyberspace brings.
- Increase awareness of the impact of cyber incidents on operations.
- Cost-effective way to validate and exercise operational procedures.
- Reduce time to respond to, and recover from, incidents.
- Strengthen relationships across teams and organisations.
- Enhance understanding cyber threat landscape.
- Develop an enterprise approach to increasing organisational resilience.

Our Cyber Exercising and Assurance Services will assist your organisation to prepare for a cyber-attack, helping you to: coordinate a proportional response; minimise the impact; be resilient, and efficiently and effectively recover. QinetiQ can engage with all levels of your organisation to equip it with the knowledge and skills it needs to seize on the opportunities that cyberspace creates, developing confidence in your business resilience.

The QinetiQ Approach

QinetiQ provides a principled approach to the planning, preparation and execution of cyber exercises. Our method is based on over 20 years' experience delivering exercises for UK MOD, NCSC, Government Departments, Critical National Infrastructure and Commercial organisations to drive innovation, de-risk technologies and test & evaluation capabilities, and prepare individuals and teams for operations.

Working with your organisation, QinetiQ will ensure you receive an exercise that meets the needs of your organisation, delivering a



completely immersive experience tailored in scale, scope and complexity.

Organisations are heavily dependent on cyberspace and we recognise the importance of protecting reputation, revenue and security from the impact of a cyber-attack. This requires organisations to have a deep understanding of their cyber operations to protect the integrity, availability and confidentially of their digital infrastructure. It is only through the end-to-end testing of people, processes and technology that organisations can demonstrate to customers and shareholders that they can operate with confidence and resilience in cyberspace.

Analysis
Our team of training, exercising and cyber subject matter experts will start by working with you to elicit a clear picture of your assurance needs and outcomes you require from the exercise. From this process, an exercise programme will be defined that captures the plans, schedule and most cost-effective approach to meeting your needs.

Design
The QinetiQ team will then work with you to design the exercise scenario, identifying and developing the stimulus that will be used to subject your organisation to a simulated cyber-attack. In addition, the exercise environment will be developed, creating a safe and secure environment to act out business processes with a real, emulated or simulated blend of network and operational technologies.

Delivery
QinetiQ will lead the coordination, facilitation and execution of the exercise. We will conduct a pre-briefing on the approach and scenario, and during the exercise stimulate your organisation using both pre-scripted and dynamic "injects", creating the impression that your organisation is under cyber-attack. Our experienced exercise facilitators and observers will manage the tempo of the exercise, ensuring that at each stage your teams are receiving an optimum learning experience. Throughout the exercise our team will collect metrics and observe team interactions to understand how well the team and your organisation performs.

Assure
Following the exercise, we will ensure your participants receive a comprehensive debriefing of how the events unfolded and provide advice on how responses to the incidents could be enhanced. We will then work with you and your teams to update your technology and processes and help embed the lessons learned across your organisation.

Cyber Exercise Environment
We will create an exercise environment tailored to your needs, providing participants with an immersive experience to enhance both realism and learning. Your organisation's processes, technologies and information can be simulated or virtualised, or we can make safe use of your real operational networks – whether it be through a table-top exercise requiring a basic model to demonstrate highlight vulnerabilities, or a live environment to understand in real-time how team respond. This will provide your exercising participants with a safe, secure, legal environment to enable teams to gain hands-on cyber skills.

Service Summary

Cyber Exercise and Assurance Services can be tailored to increase your confidence to operate securely in cyber space.

- Table-top games through to large-scale live operational rehearsals.
- Scalable to support individuals, teams, organisations or entire sectors.
- Analysis of your training needs to focus exercise delivery.
- Design of comprehensive real-world scenarios and environments.
- Build, configuration and management of cyber simulations and ranges.
- Delivery of the exercise using experienced facilitators and observers.
- Simulated, virtualised, emulated and real operational networks.
- Comprehensive de-briefings and support for implementation of exercise lessons.
- Dedicated facilities to host training and exercise events.
- Ability to facilitate dispersed events across different geographic locations.

Other QinetiQ Cyber Services

This service forms part of a wider service portfolio, which seeks to help organisations mature their digital resilience and to help build confidence in their ability to deal with cyber-attacks, through a holistic approach.

Why QinetiQ Cyber

- Unmatched team of security vetted, expert cyber consultants, architects, engineers and human performance scientists.
- Unique experience and patented intellectual property in securing the world's most complex, safety critical environments.
- UKCSC registered cyber professionals, NCSC Assured Services.

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