

Service
Definition Document

Cyber Risk Assessment

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Cyber Risk Assessment

About Safeguard Engineering

Safeguard Engineering Limited is an independent, employee-owned engineering consultancy delivering impartial safety, environmental and engineering expertise across Defence, Maritime, Land, Aviation, and Commercial sectors. We integrate best practices and foster innovation, building enduring collaborative relationships with our customers and enabling them to reduce risks, increase sustainability and make informed decisions.

Service summary

Safeguard Engineering provides organisational or platform level Cyber Risk Assessments to identify, analyse, and manage risks. Our services include comprehensive risk evaluations, compliance gap analyses, and actionable mitigation strategies. Leveraging deep expertise across sectors, we provide independent advice, risk roadmaps, and effective communication of threats to enhance resilience and decision-making.

Service features

- Support you in identifying, analysing, and managing Cyber Risks.
- Provide compliance gap-analysis assessments and reports.
- Provide a clear forward action plan for addressing Risks.
- Produce a Risk Register for easy risk management.
- Conduct an assessment to identify Cyber vulnerabilities and threats.
- Experienced and in-depth understanding of Cyber Security requirements.
- Delivering independent, expert advice for informed decisions.
- Produce Cyber Risk Registers for effective communication of risks.
- Produce clear and tailored full organisation asset registers.

Service benefits

- Identifying vulnerabilities before they become critical threats.
- Providing clear, actionable plans to mitigate cyber risks.
- Ensuring compliance with regulatory and industry standards.
- Reducing potential financial and reputational losses.
- Cyber Risks clearly understood and communicated with stakeholders.
- Enhancing organisational resilience against evolving Cyber threats.
- Supporting the improvement of Cyber Security measures.

- Strengthening stakeholder confidence in Cyber Risk Management.
- Facilitating continuous improvement of Cyber resilience and risk management.
- Improving organisation decision making through enhanced risk communication and visibility.

Value proposition

Safeguard Engineering delivers structured Cyber Risk Assessments to identify vulnerabilities, ensure compliance, and provide clear mitigation strategies. Through expert analysis, risk registers, and actionable plans, we help organisations manage threats, reduce exposure, and strengthen resilience against evolving cyber risks.

Detailed service definition

Safeguard Engineering provides comprehensive support for identifying, analysing, and managing Cyber Risks across diverse sectors. Our services include a structured assessments that uncover vulnerabilities, evaluate compliance gaps, and prioritise risks in line with regulatory and industry standards, such as JSP 440, JSP892, DefStan 05-138, Secure by Design (SbD), and ISO 27001, but also using guidance from industry leading organisations such as the National Cyber Security Centre (NCSC) Cyber Assessment Framework (CAF) and MOD Cyber Security Model version 3 (CSMv3). This ensures organisations have a clear foundation for resilience and informed decision-making.

We specialise in delivering tailored risk assessments for your organisation or company that include compliance gap analyses, and actionable mitigation strategies. Our approach includes producing detailed reports, risk registers, and forward action plans that enable organisations to address threats effectively and maintain operational and organisational integrity. By combining deep Cyber Security expertise with proven assurance practices, we help clients reduce exposure to financial and reputational losses while strengthening compliance.

With extensive experience and independent insight, our team offers expert advice that simplifies complex technical requirements and communicates risks clearly to stakeholders. We work collaboratively to ensure Cyber Risks are understood, prioritised, and managed across an entire organisation or company. By bridging the gap between technical analysis and practical implementation, we empower organisations to enhance resilience against evolving threats and improve overall Cyber Security measures.

Why Safeguard Engineering?

Safeguard Engineering Limited is an independent safety and environmental engineering consultancy providing specialist engineering advice and cloud consultancy services across Defence, Maritime, Land, Aviation, and Commercial sectors. We are completely impartial, cost effective and always operate with integrity and trust.

We employ a dedicated team of over 60 consultants consisting of highly experienced data scientists, engineers, environmentalists and ex-defence personnel from diverse disciplines, including safety engineering, marine engineering, aviation safety, weapons and explosives safety, nuclear power systems, digital systems, Air Traffic Management, Artificial Intelligence, Autonomy, and environmental sciences.

The vast majority of our staff are security cleared to at least SC, with a number holding DV clearance. Our processes enable us to handle sensitive and classified information, and to separate teams as necessary to ensure compliance with security and any potential conflict of interest requirements. Our IT systems are certified to Cyber Essentials Plus.

Our Capability

Our capabilities span the full project lifecycle, from early-stage concept and feasibility studies through to design, assessment, operation, and eventual decommissioning and disposal. We deliver systems safety and environmental management, including specialism in assurance of autonomous systems and other systems with complex digital requirements. We also provide expertise in a wide range of related services, including cyber risk assessment, data cleansing and migration, data governance and AI assurance, and independent safety audits. Our consultants possess deep knowledge of relevant standards, regulations, and best practices, ensuring that our clients achieve compliance while not compromising on innovation and operational effectiveness. We are independent of any solution or hardware provider, ensuring that our advice is always impartial.

In addition to our core staff, we are able to reach back into our network of trusted associates and specialist partners, ensuring that we can scale our services and bring in additional niche expertise as required to meet any client challenge

Our Experience

Safeguard's expertise includes supporting complex Defence acquisition, upgrade and in-service projects for land, sea, and air platforms. We have a proven track record in delivering support for military vehicles, ships, submarines, aircraft, weapon systems, unmanned systems, and a range of Defence facilities. Our consultants are adept at navigating MOD and international defence standards, supporting equipment certification, and working closely with both government and industry stakeholders. We provide specialist assurance support for digital and software-intensive systems,

addressing emerging risks associated with automation, autonomy, cyber security, and system integration.

Our Delivery

It is of utmost importance to us that we always keep our commitments and ensure that customer expectations are met - and wherever possible, exceeded. Every project has an assigned project manager who takes responsibility for delivery, supported by senior members of our team who ensure that quality processes are being followed and that the delivery approach is appropriate. Our blend of expertise and experience enables us to bring a practicable but forward-thinking approach to all of our work, underpinned by highly motivated team. Our quality management system is certified to ISO 9001. Our high rates of repeat work and continued strong rate of growth as a business stand testament to the quality of our output.



Safeguard Engineering

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