

Cyber Security Review (CSR)

NCC Group's service is about understanding your cyber security maturity by assessing it against recognised frameworks, standards and controls; NIST CSF, CIS Top 18, ISO 27001, CSA CCM etc. This bench marking and planning exercise prioritises cyber security investment, aligns existing or emergent strategy, increases efficiency and minimises cyber risk. An organisational cyber maturity assessment in business context addressing the cyber threats posed to your organisation.

Defines a coherent strategy

By intelligently applying key principles and concepts of cyber security across the people, process and technology domains, NCC Group helps to develop a coherent strategy for delivery success. This is by assuring an equitable balance of investment across these three areas in all aspects of business operations using our security transformation strategy expertise.

Assesses the real-life cyber threats

NCC Group provides advisory services to highlight and assess the level of real-life cyber security threats that inform the risks to the organisation, using best practice from experience and emerging trends tailored for your organisation. NCC Group does this by using the latest cyber threat assessments, threat intelligence sources and information sharing platforms.

Enables identify, detect, protect, respond and recover

NCC Group's Cyber Security Review (CSR) ensures that organisations have the right level of maturity and focus on the identify, detect, protect, respond and recover functions in place to improve cyber security maturity and ability to react to the evolving threat landscape.

Assesses the real-life security controls

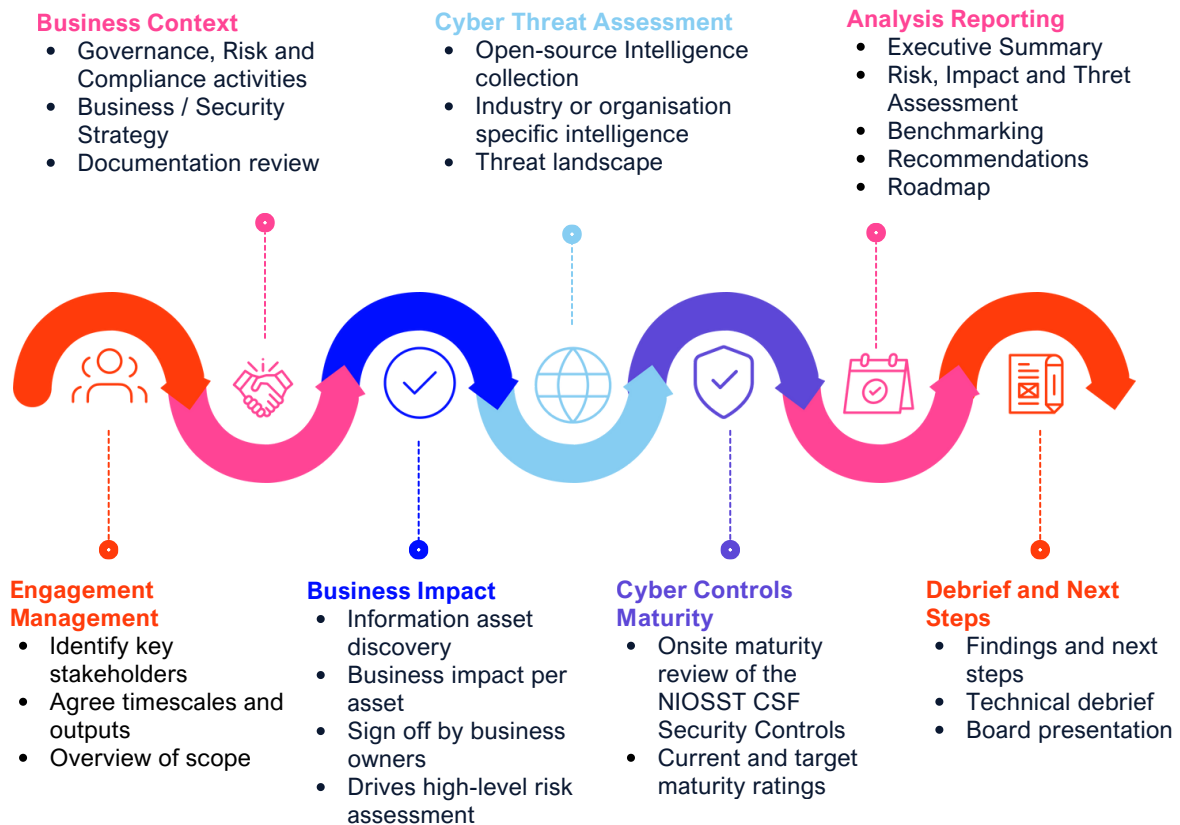
NCC Group's services enable the use of intelligent security controls assessment relating to the organisation's operational environment and business functions. NCC Group ensures that you have the right security controls in place to be flexible and agile enough to respond to changes in the security threat, risk and regulatory environments.

Focuses effort on critical information assets

NCC Group provides advisory services by focusing our CSR efforts on the critical information assets with the right level of cyber security expertise. This is to assure, align and embed recognised industry best practice in cyber security maturity assessments and posture in your organisation. This level of focus helps to drive risk-based recommendations in producing a security improvement roadmap.

Key Benefits

- Defines a coherent cyber security strategy aligned to strategic business goals
- Enables identify, detect, protect, respond and recover elements for incidents
- Targets activities and focusses effort around high criticality information assets
- Highlights and assesses the real-life cyber threats to an organisation
- Assesses relevant security controls to focus on key priority areas.



The service helps to provide a holistic view of the cyber security posture of your organisation. NCC Group works with internationally recognised standards such as, NIST CSF, ISO 27001:2022 or CIS Top 18 (covering all aspects of cyber security from governance, risk and compliance to network security and training), to assess your maturity and help articulate areas of strength and improvement to all stakeholders within your organisation. Recommendations will be provided in order to increase the maturity in all the areas that are flagged as requiring improvement. These will be prioritised and form part of an indicative roadmap to aid in reaching your target maturity.

How is the CSR service delivered?

NCC Group will begin by scoping the service with you, covering from single sites through to international multi-site organisations, and agreeing the standard that your organisation would like to align with, whether that be business driven or via NCC Group's advice. Through face-to-face or virtual/online interviews and workshops with key stakeholders throughout your organisation, combined with document reviews, NCC Group's cyber security specialists will assess your organisations people, processes and technology and assign a maturity score based on the Carnegie Mellon Capability Maturity Model Integration (CMMI).

These findings are documented to present a baseline of your cyber security posture against the latest version of the internationally recognised standard. Where required these findings will also be mapped to other cyber security frameworks and standards as required. Those frameworks and standards include but are not limited to ISO 27001, CIS - 20 Critical Security Controls and NIST Cyber Security Framework. The report will be delivered securely using the NCC Group Secure File Exchange (SFE).

The report template follows the solution service lifecycle and includes:

Executive Summary:

- Cyber maturity assessment summary including current, benchmark and target maturity;
- Key cyber risks derived from the business impact assessment, cyber threat assessment and controls assessment; and
- Prioritised recommendations to improve maturity and reduce cyber risk.

Detailed Findings:

- Key assets aligned with threat and impact rating;
- Cyber threats, motivations and capability;
- Controls assessment; and
- Cyber risks.

Recommendations and Next Steps:

- Quick wins;
- Required changes (people, processes and tech); and
- Overarching strategic initiatives.

Appendix

Detailed Control sub-category findings and recommendations.



Engagement Management

- Identify key stakeholders
- Agree timescales and outputs
- Overview of scope



Engagement Management

- Governance, Risk and Compliance activities
- Business / Security Strategy
- Documentation review



Business Impact

- Information asset discovery
- Business impact per asset
- Sign off by business owners
- Drives high-level risk assessment



Cyber Threat Assessment

- Open-source Intelligence collection
- Industry or organisation specific intelligence
- Threat landscape



Cyber Controls Maturity

- Onsite maturity review of the NIOSST CSF Security Controls
- Current and target maturity ratings



Analysis Reporting

- Executive Summary
- Risk, Impact and Threat Assessment
- Benchmarking
- Recommendations
- Roadmap



Debrief and Next Steps

- Findings and next steps
- Technical debrief
- Board presentation

Advise: Determine the business context of cyber security improvement for the organisation by assessment against recognised programme standards and best practice. This includes a review of Governance, Risk and Compliance (GRC) activities, business and security strategies and any relevant policies and documentation. NCC Group manages the engagement identifying key stakeholders, agreeing timescales, outputs and an overview of the scope.

Design: NCC Group's design services include strategy and business alignment by either reviewing or producing security improvement programme roadmaps and target operating models to deliver the organisational vision. We use full transformation team deployments to assist with security improvement programme design. These agile and flexible resource deployments assist with security improvement programme and project planning support provision through applied governance oversight.

Deliver: Delivery of the CSR is underpinned by the right level of design to support any programme or initiative to an assessment of cyber security maturity. NCC Group helps clients do this by conducting a high-level business impact assessment that includes information asset discovery, business impact per asset and sign-off by business owners that drives a high-level risk assessment. We conduct a Cyber Threat Assessment (CTA) using Open-source Intelligence collection, Industry or organisation specific intelligence to map the threat landscape. The main part of the delivery solution is to perform the Cyber Controls Maturity assessment which is an onsite maturity review aligned to an internationally recognised framework. This determines the current and target maturity ratings.

Assure and Optimise: Assurance and optimisation of the CSR is a continual process of improvement and adjustment for organisations. We can resource and provide regular reviews and support as required to do for our clients. This solution provides that continual improvement process and allows adjustments to be made to adapt and transform cyber security maturity at the pace and agility required. Analysis and reporting provides that the executive summary, risk, impact and threat assessment, benchmarking for the sector/industry and recommendations with associated roadmap.

Summary

NCC Group's service is about understanding your cyber security maturity by assessment against recognised frameworks, standards and controls; NIST CSF, CIS Top 18, ISO 27001, CSA CCM etc. This benchmarking exercise prioritises cyber security investment, aligns existing/emergent strategy, increases efficiency and minimises cyber risk. An organisational cyber maturity assessment in business context addressing the cyber threats posed to your organisation.

NCC Group achieves this by helping clients:

- Create an organisational cyber security vision and understanding the key cyber risks
- Review this in relation to the organisation's critical business operations and functions
- Articulate strategic goals and objectives at-the-centre of the cyber-security-strategy
- Identify actionable deliverables in the security remediation and improvement roadmap
- Determine the criticality of information assets and prioritises their protection
- Assess and determine the cyber threats and vulnerabilities for the organisation
- Determine the implications of damaged, lost or impaired information assets
- Minimise information assets risk exposure to loss, damage or compromise
- Provide a holistic view of people, process and technology considerations
- Provide benchmarks and allows comparison of cyber maturity against industry peers.

About NCC Group



NCC Group is a global expert in cyber security and risk mitigation, working with organisations to protect their brand, value and reputation against the ever-evolving threat landscape.

With our knowledge, experience and global footprint, we are well placed to help organisations identify, assess, mitigate and respond to the risks they face.

We are passionate about making the Internet safer and revolutionising the way in which organisations think about cyber security.





**For more information from NCC
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