



SOC Maturity Assessment

Contracting Body

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Service Definition overview

Our SOC Maturity Assessment evaluates your Security Operations Centre (SOC) against the SOC Capability & Maturity Model (SOC-CMM) while aligning outcomes to the NIST Cybersecurity Framework (CSF). This integrated approach ensures your SOC is not only operationally mature but also mapped to globally recognized standards for governance, risk, and compliance.

By combining SOC-CMM's detailed operational view with NIST's strategic and control-oriented perspective, we deliver a holistic maturity assessment that supports resilience, regulatory readiness, and executive-level reporting.

Why CGI?

For over 40 years, CGI has supported government and commercial organisations in delivering complex, high-assurance digital services and operating in highly regulated environments. This experience underpins CGI's approach to Responsible AI and AI governance, which combines strategic advisory capability with practical, audit-ready assurance.

CGI brings together in-house expertise across policy development, risk management, data, analytics, digital delivery, assurance and regulation to support the responsible adoption of AI. Our approach recognises that effective AI governance is not achieved through policy alone, but through clear accountability, proportionate controls and demonstrable evidence that risks are understood and managed in practice.

1. Service Description

Our SOC Maturity Assessment evaluates your Security Operations Centre (SOC) against the SOC Capability & Maturity Model (SOC-CMM) while aligning outcomes to the NIST Cybersecurity Framework (CSF). This integrated approach ensures your SOC is not only operationally mature but also mapped to globally recognized standards for governance, risk, and compliance.

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Key Objectives

- Benchmark SOC maturity against SOC-CMM and align results with NIST CSF categories
- Identify gaps in detection, response, governance, and compliance.
- Map improvements to NIST CSF Functions (Identify, Protect, Detect, Respond, Recover).
- Provide a prioritised roadmap that improves SOC effectiveness and regulatory assurance.
- Enable continuous improvement through repeatable maturity measurements tied to recognized standards.

What We Assess

- We measure your SOC against the SOC-CMM framework and cross-map findings to NIST CSF and NIST SP 800-53, covering:
- **Governance & Oversight** SOC governance, policies, funding, roles/responsibilities — mapped to NIST CSF Identify.
- **People & Skills** Staff expertise, training, retention, shift models — aligned to NIST CSF Protect.
- **Processes & Procedures** Incident detection, response workflows, escalation protocols — linked to NIST CSF Detect/Respond.
- **Technology & Tools** Logging, SIEM, SOAR, automation — mapped to NIST CSF Detect/Protect.
- **Metrics & Reporting** SOC KPIs, dashboarding, board-level reporting — tied to NIST CSF Governance.
- **Continuous Improvement** After-action reviews, red teaming, re-assessments — aligned to NIST CSF Recover.
- **Threat Intelligence & Detection Capability** Threat hunting, anomaly detection, intel integration — mapped to NIST CSF Detect.
- **Operational Integration** SOC’s interaction with risk, compliance, BCP/DR — mapped to NIST CSF Identify/Recover.

Our Approach

Phase	Activities
Planning	Define scope, align SOC-CMM assessment with NIST CSF and NIST 800-53 control families.
Data Gathering	Interviews, artifact collection (SOPs, playbooks, metrics, policies).
Assessment & Scoring	Apply SOC-CMM; cross-map maturity levels to NIST CSF categories/functions.
Gap Analysis	Identify weak controls, operational gaps, compliance risks.
Reporting	SOC-CMM scorecard, NIST CSF mapping, roadmap for improvement.
Advisory Support	Optional workshops, roadmap execution, NIST compliance readiness.

Deliverables

- SOC-CMM maturity scorecard across all domains.
- NIST CSF alignment matrix — mapping SOC capabilities to Identify/Protect/Detect/Respond/Recover.
- Prioritised roadmap with recommendations that enhance both operational maturity and compliance posture.

- Executive briefing pack for leadership and board-level risk oversight.

Value to Your Organization

- Operational Excellence + Compliance Assurance — operational maturity with built-in alignment to NIST.
- Faster regulatory readiness — assessment output supports compliance with standards (ISO 27001, PCI DSS, HIPAA, FedRAMP, etc.) via NIST mapping.
- Board confidence — evidence-based reporting using globally recognized frameworks.
- Efficient resource allocation — roadmap ensures investment aligns with risk reduction and compliance priorities.

2. Service Pricing and Terms and Conditions

2.1. Pricing

Please refer to the G-Cloud 15 portal for the rates available.

2.2. Terms and Conditions

Please refer to the associated Terms and Conditions Document relevant for this Service including termination by the Buyer or Supplier.

3. Further information

For more information about this or any of our G-Cloud services, please contact us:

Phone: +44 0845 070 7765. Ask to speak to the G-Cloud team.

Email: uk.gen.ccsframeworks@cgi.com, including the following information:

1. The name of this service.
2. The name of your organisation.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.

We will prepare a quotation for you. Once the quotation is agreed upon, we will issue you the necessary documentation (as required by the G-Cloud Framework) and ask you to provide us with a purchase order.

Once we have received your purchase order, the services will be configured to the requirements agreed with invoices issued to you for the services procured. On a monthly basis, we will also complete the mandated management information reports to Government Procurement.

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The information in this proposal is submitted on 30 Jan 2026 - Issue 1.0 on behalf of CGI by the following authorised representative:

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