

Security Operations Centre (SOC) Transformation Assessment

Accelerate your shift to an automation first, AI driven SOC aligned to modern threats, operating scale and regulatory expectations

Traditional SOC models rely heavily on manual workflows and linear processes that can struggle to deliver consistent outcomes at speed. As automation, orchestration and AI reshape cyber operations, a SOC Transformation Assessment provides organisations with a structured approach to modernising their SOC.

What is a Lumen SOC Transformation Assessment?

Lumen's SOC Transformation Assessment delivers an evidence based review of your SOC with a deliberate focus on automation, orchestration and AI enhanced operations. It evaluates how the SOC should evolve to meet future requirements, identifying transformation opportunities across people, process and technology.

A core focus of the assessment is leveraging your existing tools. The assessment examines opportunities for workflow automation, readiness for automated and semiautomated incident response, and the practical use of AI assisted detection and investigation using your current technology stack.

You'll gain a clear transformation roadmap that supports a shift toward a modern, automation first SOC aligned to business risk and regulatory expectations.

People

We assess SOC roles and skill distribution, analyst time allocation, and readiness for automation augmented responsibilities such as exception handling and threat led investigation. You'll gain clarity on skill gaps, role evolution and the governance and accountability models required to operate a transformed SOC.

Process

We evaluate end-to-end detection and response workflows, identifying manual bottlenecks, rework and opportunities for automation, conditional automation and fully automated containment. You'll gain insight into workflow redesign opportunities and human-in-the-loop approval models that support safe, scalable automation.

Technology

We review detection architecture, orchestration capabilities, integration maturity, and data quality, focusing on the actual usage of existing platforms. We evaluate AI/ML functionality including alert clustering, prioritisation and investigation guidance to identify where current tools can be better leveraged or augmented.

Who is Lumen's SOC Transformation Assessment Designed for?

Lumen's SOC Transformation Assessment is best suited for:

- Security leaders modernising SOC operations: Provides clarity on automation opportunities, AI use cases and required changes to tooling and roles.
- Organisations seeking efficiency and operational scalability: Supports investment decisions and multi year planning to measurably reduce manual workloads.
- Leaders building an automation first SOC strategy: Offers a clear view of readiness, integration needs and transformation pathways.

Aligned to International Frameworks

Our methodology aligns to the ASD ISM, ASD Essential Eight and APRA CPS 234, as well as international frameworks such as NIST CSF and MITRE ATT&CK. These references validate transformation outcomes and ensure they are defensible to executives, auditors and regulators.

How a SOC Transformation Assessment Works – Process and Timeline

The SOC Transformation Assessment follows a structured engagement designed to identify high value transformation opportunities and provide a clear roadmap forward.

Discovery



Kickoff, workshops with SOC teams, workflow walkthroughs, and a review of existing automation artefacts, playbooks and tool configurations.

Analysis



Transformation readiness scoring, identification of automation/AI opportunities, and development of the phased roadmap and business case.

Deliverables

The SOC Transformation Assessment provides a clear pathway for evolving to an automation first operating model. Every assessment includes an Executive Summary and a business case component, ready for board, audit and risk committee review.

The final report includes:

- Executive summary of transformation opportunities
- Transformation readiness baseline across people, process and technology
- Automation & AI opportunity catalogue mapped to workflows
- Identification of quick wins, foundational uplift and advanced initiatives
- Governance & Operating Model guidance (ownership and accountability models)
- Evaluation of existing tooling suitability and integration maturity
- Phased transformation roadmap (short, medium, long term)

- Faster, more consistent detection and response outcomes
- Stronger alignment with regulatory and operational expectations
- A defensible roadmap and business case to support strategic investment

Why Lumen?

Lumen combines deep operational SOC experience with independent advisory expertise. Our assessments are grounded in real-world SOC operations and enhanced by Black Lotus Labs Threat Intelligence, ensuring recommendations are practical, achievable, and threat aligned. We deliver honest, evidence-based insights that help leaders uplift performance and demonstrate confidence to regulators.

Benefits to Your Organisation

The assessment provides a structured approach to transforming SOC efficiency and effectiveness.

Benefits include:

- Independent identification of automation and AI enabled opportunities
- Reduction of manual L1 effort through workflow modernisation

Contact us to Schedule a Free Scoping Call

Book a scoping call with Lumen's security specialists to confirm your objectives. This first step gives you immediate clarity on scope and expected outcomes.

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