# Governance, Risk and Compliance – Lumen's roadmap to cybersecurity resilience

With rapid changes in security threat landscape, we are no longer asking "**if**" organisations will be hacked but "**when**" they get hacked. Not forgetting that attackers are getting more sophisticated, creating attack vectors faster than you can resolve.

### Common business challenges:

- Keeping on top of rapid cybersecurity risk and threat landscape changes.
- Compliance to statutory, regulatory and/or contractual requirements that requires compliance to various frameworks and standards.
- Unprepared when a cyber security incident occurs and regulatory reporting requirements.
- Uncertain of supply chain risk.
- Budget restrictions for cyber security resources.

Lumen's Connected Security practice is built on the mission statement of "see more, stop more". Optimising use of technology with skilled and experienced Security Advisory Consultant (SAC), Lumen aims to augment your internal IT / cybersecurity function in delivering security advisory services to identify areas of needs and develop strategies to remediate gaps within your risk appetite.

## Keep on top of cyber security risk – cybersecurity capability maturity assessment

The best place to start with building cybersecurity resiliency for the organisation is knowing what the current security posture is today.

Lumen's SACs are facilitated by the use of a Cybersecurity Resilience Assessment Platform powered by our technology partner, Secure Forte. The platform enables Lumen's SAC to provide you with the following key advantages:

- Establishes a security baseline for your organisation upon which improvement efforts can be measured
- Enables a strategic approach to security improvements, management and oversight
- Provide comparison against various standards and frameworks, reducing the pain of consolidating different compliance obligations
- Security oversight of all subsidiaries with their own unique security posture and risk and threat profiles
- Share various aspects of assessment reports with upstream customers in the growing requirements for right to audit
- Patented SaaS solution with built-in intelligence that automatically verify responses, reducing review time and enhances review focus
- Collaboratively works with your organisation through guidance notes and videos

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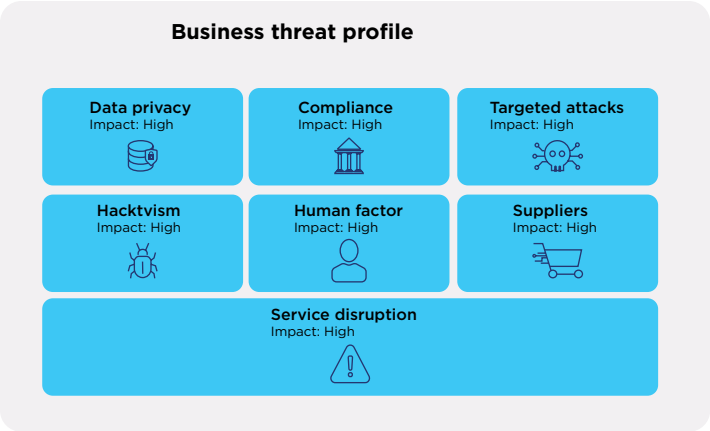


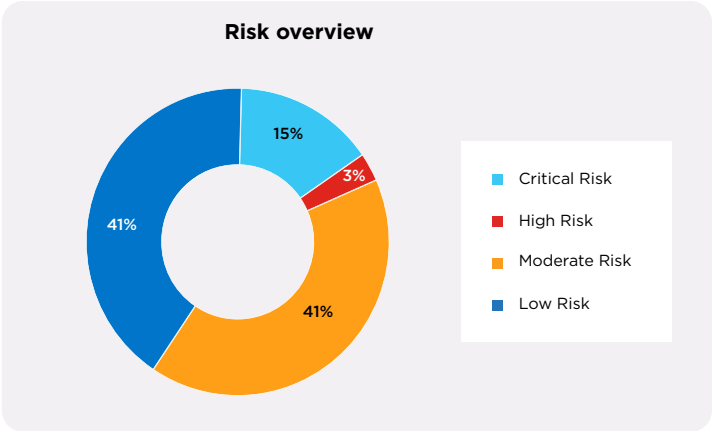


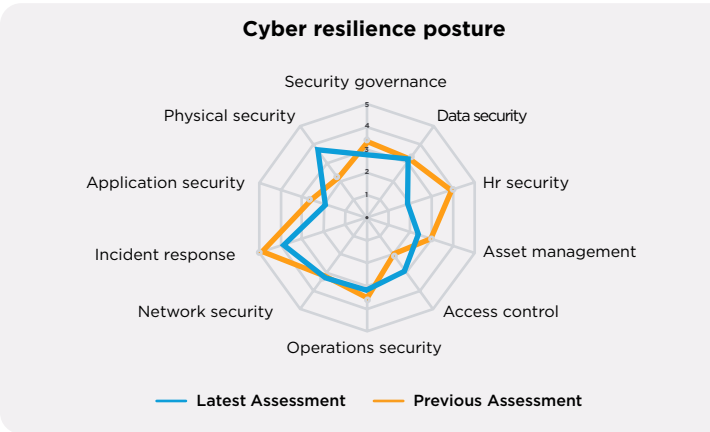


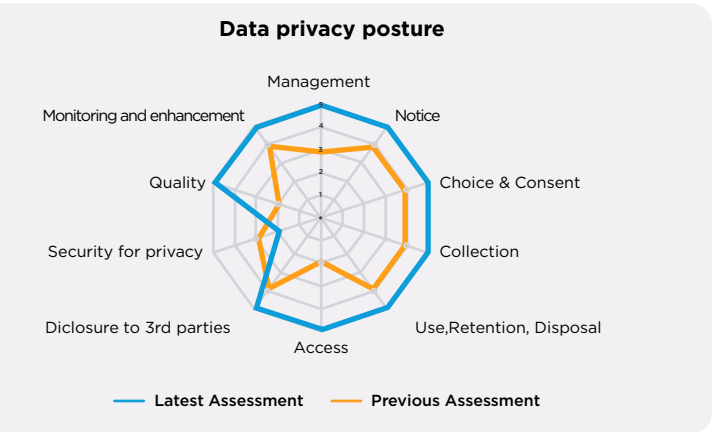


## Built resilience – security enhancement programs

Lumen adopts the use of internationally acceptable security frameworks such as the ISO27001 Security Standards, NIST or PCI DSS to assist clients in building an information security management system (ISMS) framework.

Depending on your regulatory, legislative, and contractual obligations, Lumen will customise the security enhancement programs to enable you to meet your compliance obligations.

### Create security baseline

**Security capability maturity assessment ISO27001**

- NIST
- PCI DSS
- Privacy laws
- Regulatory obligations
  - Monetary Authority of Singapore (MAS), Australia's state-based cybersecurity policies, CPS234

### Enhance security capabilities

**Security improvement program**

- Establish governance
- Establish IS risk management framework
- Establish security policies and standards
- Identifying crown jewels & manage risk
- Technical and operational improvements

### Manage security

**Monitor and compliance**

- CISO Advisory
- ISMS Audit
- Risk Management
- Vendor/Supplier Risk Assessment
- Security Log Monitoring
- Managed Security Behavioural Analytics
- Vulnerability Assessment and Penetration Testing

### Optimise security capabilities

**Security as an enabler**

- Continuous improvement – risk treatment plan, KPI & KRI monitoring
- Reporting to executive leadership team

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Lumen is committed to walk this journey with you, taking a top-down risk-based approach to:

**Gain oversight**
Driven by business objectives, to obtain oversight of information/cyber security to the organisation that impacts on its ability to meet its business strategies.

**Manage threats and risk**
Know where to invest resources to protect the organisation's crown jewels.

**Ensure compliance**
Meet the organisation's legal, regulatory and contractual obligations.

Regulatory and security frameworks and standards Lumen works with:

- ISO27001
- NIST
- PCI DSS
- Privacy laws
- Regulatory requirements e.g., MAS TRM, Australia state-base CSF, APRA CPS234, etc.

This journey typically takes 4-8 months that will see you establish a security framework, upon which you can focus on optimising security capabilities, through monitoring and management of risk and compliance obligations. Once the frameworks are implemented, Lumen will be able to assist in augmenting your security functions through or Connected Security Managed Security Services, such as Managed Vulnerabilities-as-a-Service (MVaaS), Security Log Monitoring (SLM), Managed End-point Detection and Response (MEDR) and Incident Response.

## Managing Supplier Risks

In managing the risk from relying on third-party suppliers to process and store the organisation's information, Lumen uses the Secure Forte - Vendor Risk Management module to enable our clients to gain oversight of supplier risks. Some key advantages include:

- Identify, profile and assess your suppliers based on their business sensitivity and level of access to sensitive data.
- Leverage comprehensive assessment library covering cybersecurity, privacy, compliance and quality management.
- Include your own customised questionnaire and risk according to your threat profile.
- Covers third and fourth-party suppliers.
- Proactively monitor high impact suppliers through threat intelligence feeds, automatically collecting and generating intelligence about your Supply Chain.


## Why Lumen?

Partner with Lumen to build an effective managed security program that helps reduce your risk exposure and ease resource constraints. With our combination of in-house solutions, skilled people and extensive networking, cloud and managed services experience, we can be your single provider to augment and optimise your security team.

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