

Cyber Loss Quantification



Identify and quantify how your business may be exposed to a cybersecurity event

As cyberattacks and criminal ransom demands grow, businesses are likely to face further increases in the cost of obtaining insurance.

Many boards and executives are now asking “how much is our true exposure to potential cyber losses?”, “how do we know our investment in Cyber Security is proportional to our exposure?”, and “how much investment is good enough?”

What is Cyber Loss Quantification?

Cyber Loss Quantification from Marsh provides you with a detailed financial loss quantification based on realistic cyber loss events that your organisation may face. Through quantification, we deliver information and analysis relevant to improving your organisation’s cyber risk management program and cyber resilience.

Our team of cyber risk advisors, forensic claims consultants and analytics specialists will work in partnership with you to identify major loss scenarios, define the financial impacts and quantify potential losses.

A comprehensive data-driven view

By leveraging your data, proprietary Marsh forensic accounting cost models and loss analysis we simulate cyber loss scenarios to establish likely costs based on events of differing severity.

A detailed report containing analysis and insights that will help you understand the cost of cyber loss impacts on your organisation as well as guidance on where to focus organisational, financial resources and cyber risk gaps.

Informed decisions for your path to cyber resilience

Cyber Loss Quantification from Marsh helps organisations understand their exposure, and provide a baseline to prioritise strategic investments. It brings about an awareness beyond the technology function into risk, business and the boardroom, where informed decisions around cyber risk strategy and financing can be taken. It creates a level of awareness on cyber exposure across the organisation that is difficult to achieve otherwise, enabling preparedness in scenario response.

A THREE STEP PROCESS TO QUANTIFYING YOUR CYBER LOSS EXPOSURE

Identify major loss scenarios

Understand your Information Technology (IT) and Operational Technology (OT) environment and business functions to identify key cyber loss scenarios.



Define financial impacts

Define the operational vulnerabilities, consequences and financial impacts that will arise from each cyber loss scenario including business interruption losses, ransom payments, privacy breach costs, investigation and remediation costs.



Quantify potential losses

Quantify the potential financial impacts of each cyber loss component to understand your complete cyber loss exposure for each key scenario.



Marsh have four cyber quantification solutions tailored to the sophistication and complexity of your cyber risk profile

| | Loss Scenarios | Loss Quantification |
|--|--|---|
| Cyber IDEAL Model | Privacy breach, business interruption from a network disruption and ransomware event. | Simplistic model using industry loss data and basic company information to estimate potential losses from predefined scenarios. |
| Cyber Loss Quantification Low complexity cyber risk | Cyber risk workshop facilitated by Marsh to identify 2 key loss scenarios specific for your business and the specific financial consequences. | Estimated maximum loss (EML) calculated for defined scenarios using simple financial models. |
| Cyber Loss Quantification Moderate complexity cyber risk | Assessment of IT/OT environment, contextual interviews and risk workshop to identify major loss scenarios and specific financial consequences. | Estimated maximum loss (EML) calculated for defined scenarios using bespoke financial model. |
| Cyber Loss Modelling High complexity cyber risk | Tailored to the individual needs of the client to define bespoke loss scenarios and consequences. | Detailed financial loss quantification modelling to establish exposure at various level of probabilities. |

Key Contact

Marsh Advisory | Cyber Risk Consulting

For more information about how you can benefit from our services, please contact your Marsh Risk Advisor.



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BENEFITS



Identify and validate major loss scenarios.



Define financial impacts.



Quantify potential losses and impacts.

WHY MARSH

As experts in enterprise and cyber risk, we help you take an enterprise wide, scalable approach in building your cyber resilience.

Together, we identify your risks, and develop a best-for-you program and team of partners to help manage it.

Informing your approach and decision-making process with our 25 years of cyber expertise and data-driven insight.

So that your path to cyber resilience is more productive and predictive; and your outcomes are more efficient and effective.

About Marsh

[Marsh](#) is the world's leading insurance broker and risk advisor. With around 45,000 colleagues operating in more than 130 countries, Marsh serves commercial and individual clients with data-driven risk solutions and advisory services. Marsh is a business of [Marsh McLennan](#) (NYSE: MMC), the world's leading professional services firm in the areas of risk, strategy and people.

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