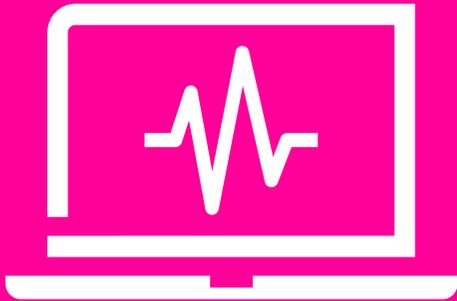




CHUBB®

# Chubb Cyber Risk Engineering



## The Process

Cyber risk engineering is a highly technical, rapidly evolving practice requiring specialist expertise. Every company has different exposures depending on their industry, operations, and the technology that they use. Chubb's Risk Engineers have the necessary experience used to assess the needs of these companies across all industry classes.

We help clients identify and understand their technological vulnerabilities and assist them in preventing a future cyber incident.

Here's how it works:



## 1 A pre-survey agenda

We'll explain what we hope to achieve during the survey, which areas we'll be discussing, who can best contribute to the meeting, which documents would be helpful to see before we arrive and how long the meeting will last.

## 2 The survey

Our surveys generally take between 2-3 hours and include:

### a. Operations

We'll look at the client's operations and activities, revenue, sectors, territories, processes and business flow.

### b. Premises

This isn't a full property survey but will focus on the physical aspects related to cyber cover: energy resilience and data centres, chilling, fire protection, equipment redundancy and resilience, environmental controls.

### c. Network and infrastructure

It's vital to understand where the data assets are and how they are connected. We'll look at internal, external and third party network topography and data segmentation. We'll review business continuity and disaster recovery planning as well as recovery time objectives.

### d. Information security assets

We will gain an understanding of the nature of the data the business holds; the type, sensitivity and number of records, what information is confidential to the business and where this data is stored.

## 3 The recommendations

## 4 Client meeting

### **e. Policy, process and protection**

We will report on the risk management policies, procedures and methods in place including the business' risk management structure, the organisation of the security team, which standards and methodologies are used and the compliance and auditing teams. We'll investigate personnel management, how new employees are screened and what happens if a staff member is required to leave or has their access revoked.

### **f. Specific security procedures**

We'll take a close look at security policies and procedures or technological controls: The firewalls, encryption, management of portable devices and any penetration tests that have been undertaken.

### **g. Breach detection**

It's important to understand how a client will detect an incident so they can mitigate an attack. The logging, monitoring and investigation of security incidents will be reviewed.

### **h. Breach response**

The reaction and speed of reaction following an incident is key. We will look at the breach response plan and awareness of breach notification obligations.

### **i. Previous losses and significant security incidents**

Finally we'll review previous vulnerability, mitigation and response to incidents.

Once the survey is complete we'll provide specific recommendations which can include residual risk, potential loss expectancy, and a detailed section on risk improvements.

We'll meet with the client to explain our findings, offer advice on improvements and work with them to mitigate a potential cyber incident.

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A futuristic server room with glowing blue light and curved server racks displaying data. The racks are arranged in a long aisle, and the floor is highly reflective. The ceiling has recessed lighting. The overall atmosphere is high-tech and digital.

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