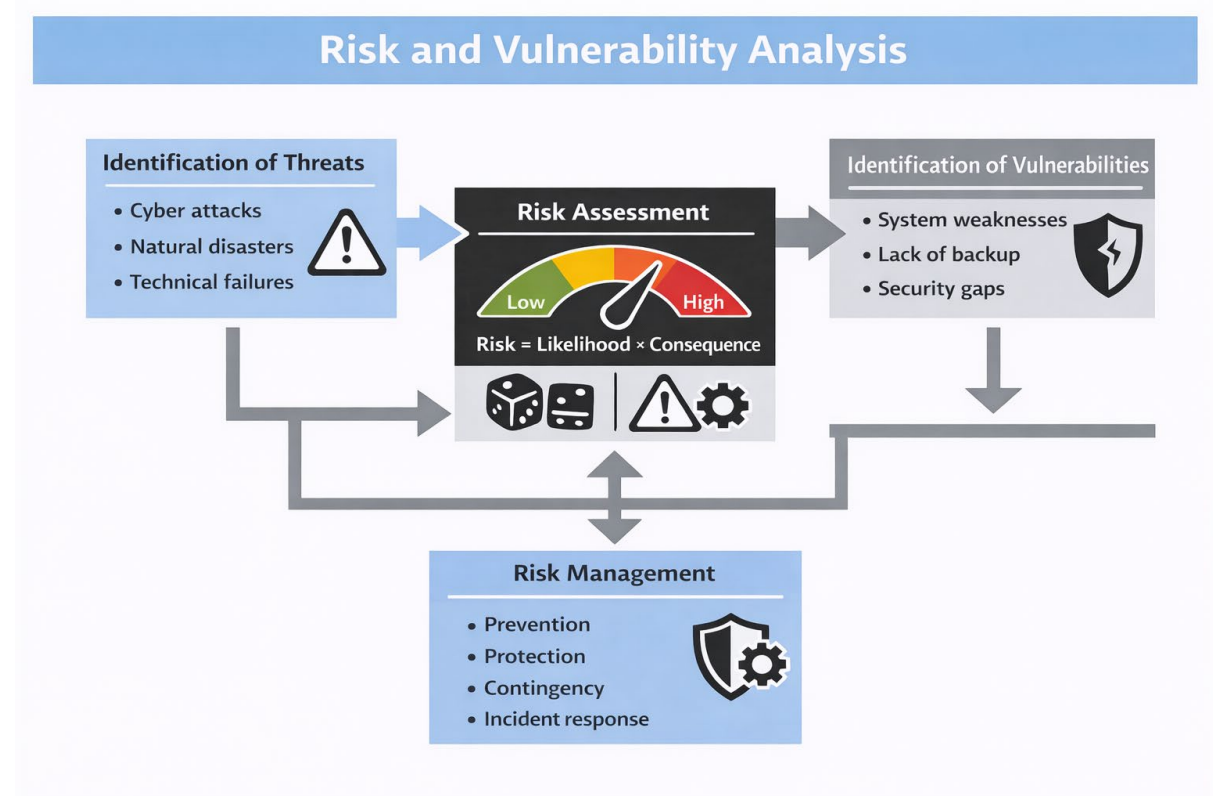


Risk and Vulnerability Analysis



Procedure

1. Preparation

- Define purpose and scope: Decide which business areas, processes and IT systems the analysis should cover.
- Establish a steering group: Involve management and key people from critical functions (finance, IT, production, sales).
- Collect relevant data: Previous incidents, system documentation, supplier information, contracts and security policies.

2. Identification of Business-Critical Processes and Assets

- Map all business processes and assess which ones are critical to the survival of the business.
- Identify associated assets: IT systems, employees, locations, supply chain and suppliers.
- Assess dependencies between processes and assets.

3. Identify Threats and Vulnerabilities

- Threats: Events that can affect the company's operations (e.g. cyberattacks, power outages, fires, natural disasters, pandemics).
Vulnerabilities: Weaknesses in the company's processes or systems, e.g. lack of backup, inadequate IT security, dependence on single suppliers and dependence on single customers.

4. Risk Assessment

- For each combination of threat and vulnerability, assess:
- Probability: How likely is it that the event will occur? (Low = 1, Medium = 2, High = 3).
- Consequence: What will be the impact on critical processes (financial, operational, reputation)? (Low = 1, Medium = 2, High = 3).
Calculate risk, e.g. Risk = Probability × Consequence.

Procedure (continued)

5. Analysis of Consequences (Business Impact)

- Identify the maximum tolerable downtime for critical processes.
- Quantify potential losses (financial, operational, customer satisfaction).
- Use the results to determine which processes should be prioritized in continuity plans.

6. Preparation of Action Plans

- Develop risk management actions: Prevention, protection, preparedness, recovery.
- Consider alternative solutions for critical dependencies: backup vendors, temporary locations, redundant IT systems.

7. Implementation and Training

- Implement action plans and safety measures.
- Conduct training and exercises so employees know how to respond in the event of incidents.

8. Monitoring and Updating

- Monitor risks and vulnerabilities on an ongoing basis.
- Update the analysis at least annually or when there are major changes in business processes, technology, or supplier relationships.

The focus should also be on *single points of failure*, which is a vulnerability in a system where a failure here will cause the entire system to stop functioning.