

Module 7

Section A: Risk Management and Supply Chain Risks

Term
ISO 31000

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Section A: Risk Management and Supply Chain Risks

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ISO 73

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Section A: Risk Management and Supply Chain Risks

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Risk appetite

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Risk management

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Risk register

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Section A: Risk Management and Supply Chain Risks

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Risk tolerance

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Section A: Risk Management and Supply Chain Risks

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Supply chain risk

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Section A: Risk Management and Supply Chain Risks

Term
Supply chain risk management (SCRM)

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Provides the definitions of generic terms related to risk management. It aims to encourage a mutual and consistent understanding of, and a coherent approach to, the description of activities relating to the management of risk, and the use of uniform risk management terminology in processes and frameworks dealing with the management of risk.

A standard adopted by the International Organization for Standardization that outlines principles and a set of guidelines to manage risk in any endeavor. The standard includes guidelines for understanding risk, developing a risk management policy, integrating risk management into organizational processes (including accountability and responsibility), and establishing internal and external risk communication processes. [This] is not a management system standard and is not intended or appropriate for certification purposes or regulatory or contractual use.

The identification, assessment, and prioritization of risks followed by coordinated and economical application of resources to minimize, monitor, and control the probability and/or impact of unfortunate events or to maximize the realization of opportunities.

Amount and type of risk that an organization is willing to pursue or retain.

An organization's or stakeholder's readiness to accept a threat or potential negative outcome in order to achieve its objectives.

A report that has summary information on qualitative risk analysis, quantitative risk analysis, and risk response planning. This register contains all identified risks and associated details.

The systematic identification, assessment, and mitigation of potential supply chain disruptions with the objective of reducing their negative impacts on the supply chain's performance.

The variety of possible events and their outcomes that could have a negative effect on the flow of goods, services, funds, or information resulting in some level of quantitative or qualitative loss for the supply chain.

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Section B: Risk Analysis and Response

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Accuracy

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Section B: Risk Analysis and Response

Term
Business continuity management system
(BCMS)

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Section B: Risk Analysis and Response

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Data integrity

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ISO 22301

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ISO 28000

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Section B: Risk Analysis and Response

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Monte Carlo simulation

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Risk acceptance

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Section B: Risk Analysis and Response

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Risk avoidance

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Part of the overall management system that establishes, implements, operates, monitors, reviews, maintains, and improves an organization's capability of delivering products or services at acceptable predefined levels following a disruptive incident. It is based upon identifying potential threats to an organization and the impact to business operations from those threats. The system provides a framework for building organizational resilience with the capability of an effective response that safeguards the interests of its key stakeholders, reputation, brand, and value-creating activities.

The degree of freedom from error or the degree of conformity to a standard. Accuracy is different from precision. For example, four-significant-digit numbers are less precise than six-significant-digit numbers; however, a properly computed four-significant-digit number might be more accurate than an improperly computed six-significant-digit number.

An international standard that specifies requirements for setting up and managing an effective business continuity management system.

Assurance that data accurately reflects the environment it is representing.

A subset of digital simulation models based on random or stochastic processes.

An international standard that specifies the requirements for a security management system, including those aspects critical to security assurance of the supply chain.

Changing a plan to eliminate a risk or to protect plan objectives from its impact.

A decision to take no action to deal with a risk or an inability to format a plan to deal with the risk.

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Section B: Risk Analysis and Response

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Risk category

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Risk response plan

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Risk response planning

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Sensitivity analysis

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Simulation

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Supply chain continuity

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A document defining known risks including description, cause, likelihood, costs, and proposed responses. It also identifies current status on each risk.

A cluster of risk causes with a label such as external, environmental, technical, or organizational.

A technique for determining how much an expected outcome or result will change in response to a given change in an input variable. For example, given a projected level of resources, determining the effect on net income if variable costs of production increased 20 percent.

The process of developing a plan to avoid risks and to mitigate the effect of those that cannot be avoided.

An organization's strategic and tactical capability to plan for and respond to conditions, situations, and events as necessary in order to continue supply chain operations at an acceptable predefined level.

1) The technique of using representative or artificial data to reproduce in a model various conditions that are likely to occur in the actual performance of a system. Frequently used to test the behavior of a system under different operating policies. 2) Within MRP II, using the operational data to perform what-if evaluations of alternative plans to answer the question, "Can we do it?" If yes, the simulation can then be run in the financial mode to help answer the question, "Do we really want to?" See: what-if analysis.