

Course No. 1999

Supply Chain Risk Management & Resilience Training Course

**THIRD-PARTY & SUPPLY CHAIN RISK MANAGEMENT
RISK, COMPLIANCE & GOVERNANCE**

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The Supply Chain Risk Management & Resilience Training Course provides a comprehensive and practical framework for identifying, assessing, mitigating, and monitoring risks across modern supply chains. The course focuses on strengthening supply chain resilience, protecting critical operations, and improving the organization's ability to anticipate, absorb, respond to, and recover from disruptions.

Participants will examine the major sources of supply chain risk, including supplier dependency, geopolitical developments, market volatility, transportation disruptions, shortages, quality failures, financial instability, regulatory changes, cybersecurity threats, natural disasters, operational failures, and demand uncertainty. The program emphasizes understanding how interconnected supply chain risks can affect cost, service levels, production, inventory, customer commitments, and overall business performance.

The course explores practical approaches to supply chain risk assessment, supplier segmentation, criticality analysis, risk mapping, business impact assessment, scenario planning, early-warning indicators, contingency planning, and risk mitigation. Participants will learn how to evaluate vulnerabilities across suppliers, sourcing strategies, logistics networks, inventory policies, production capacity, technology systems, and critical materials.

Particular attention is given to building resilient supply chains through supplier diversification, strategic sourcing, alternative suppliers, inventory and capacity strategies, business continuity planning, collaboration, digital visibility, risk analytics, and crisis response. Through practical exercises, case studies, simulations, and workshops, participants will develop actionable strategies for improving supply chain resilience and reducing disruption exposure.

Objectives

- By the end of the course, participants will be able to:
- Analyze the strategic importance of supply chain risk management and resilience.
- Identify internal and external risks that can disrupt supply chain continuity.
- Assess the criticality and vulnerability of suppliers, materials, services, and logistics networks.
- Develop structured supply chain risk assessment and classification methodologies.

- Map supply chain dependencies and identify critical points of failure.
- Evaluate supplier financial, operational, quality, geographic, and continuity risks.
- Apply risk-based approaches to sourcing, supplier diversification, and dependency management.
- Develop mitigation strategies for supply shortages, logistics disruptions, and supplier failures.
- Design appropriate inventory, capacity, and contingency strategies to improve resilience.
- Establish early-warning indicators for emerging supply chain risks.
- Develop effective supply chain business continuity and disruption response plans.
- Strengthen collaboration between procurement, operations, logistics, finance, risk, and business functions.
- Evaluate geopolitical, market, regulatory, technological, and environmental supply chain risks.
- Apply scenario analysis and stress-testing techniques to supply chain resilience planning.
- Use supply chain data and analytics to support risk-based decision-making.
- Develop an integrated supply chain risk management and resilience improvement strategy.

Who Should Attend

This course is designed for professionals responsible for supply chain management, procurement, strategic sourcing, logistics, supplier management, operations, inventory, planning, risk management, and business continuity. It is particularly relevant to supply chain managers, procurement managers, category managers, sourcing professionals, supplier relationship managers, logistics managers, inventory managers, demand and supply planners, and supply chain analysts.

The program is also highly suitable for professionals working in enterprise risk management, operational risk, finance, quality, compliance, internal audit, business continuity, project management, asset management, manufacturing, operations, and strategic planning, as well as managers and executives responsible for critical supply chain decisions.

The course is applicable across government entities, ministries, banks, financial institutions, oil and gas organizations, manufacturing companies, construction and engineering firms, utilities, telecommunications, healthcare organizations, technology companies, logistics providers, multinational corporations, and large enterprises where supply chain continuity and resilience are essential to operational and strategic performance.

Learning Outcomes

- Upon successful completion of the course, participants will be able to:
- Create a structured supply chain risk profile for their organization.
- Identify critical suppliers, materials, services, routes, facilities, and dependencies.
- Apply supply chain risk scoring and prioritization methodologies.
- Develop supplier segmentation based on criticality, exposure, and resilience.
- Assess vulnerabilities across sourcing, procurement, production, logistics, and distribution.
- Evaluate the potential business impact of major supply chain disruptions.
- Develop alternative sourcing and supplier diversification strategies.
- Establish practical approaches for managing single-source and concentrated dependencies.
- Design contingency plans for critical supply chain scenarios.
- Develop early-warning indicators and supply chain risk dashboards.
- Evaluate inventory and capacity strategies from a resilience perspective.
- Coordinate effective responses to supplier, logistics, and operational disruptions.
- Integrate business continuity principles into supply chain planning.
- Use scenario analysis and stress testing to evaluate resilience.
- Identify opportunities to improve supply chain visibility through technology and analytics.
- Develop an actionable roadmap for strengthening supply chain resilience.

Course Outline

DAY 01

Foundations of Supply Chain Risk Management & Resilience

- Strategic importance of supply chain resilience
- Supply chain risk management principles and frameworks
- Internal and external sources of supply chain risk
- Operational, financial, commercial, regulatory, and strategic risks
- Supplier, logistics, inventory, production, and demand risks
- Interdependencies across supply chain networks
- Critical supply chain processes and dependencies

DAY 01 — CONTINUED

- Supply chain vulnerability and exposure
- Risk ownership and cross-functional accountability
- Risk appetite and supply chain resilience objectives
- Integrating supply chain risk with enterprise risk management

PRACTICAL APPLICATION:

- Participants map a representative supply chain and identify critical processes, dependencies, vulnerabilities, and potential disruption points.

DAY 02

Supplier Risk, Sourcing Exposure & Supply Chain Risk Assessment

- Supplier risk management principles
- Supplier segmentation and criticality assessment
- Financial and operational supplier risk
- Supplier capacity, quality, and performance risks
- Geographic and concentration risks
- Single-source and sole-source dependency
- Supplier due diligence and risk information
- Supply chain risk scoring and prioritization
- Risk heat maps and vulnerability analysis
- Identifying critical materials and services
- Managing supplier dependency and concentration
- Supplier resilience assessment

PRACTICAL APPLICATION:

- Participants conduct a supplier risk assessment and develop a prioritized supplier risk profile using criticality, exposure, and resilience criteria.

DAY 03**Risk Mitigation, Diversification & Business Continuity**

- Supply chain risk mitigation strategies
- Supplier diversification and multi-sourcing
- Alternative suppliers and contingency sourcing
- Strategic inventory and safety stock considerations
- Capacity flexibility and production alternatives
- Logistics route diversification
- Contractual risk allocation and supplier obligations
- Business continuity planning for supply disruptions
- Contingency planning and emergency sourcing
- Crisis response structures and escalation
- Recovery strategies following major disruptions
- Testing and validating supply chain continuity plans

PRACTICAL APPLICATION:

- Participants develop a contingency strategy for a critical supply disruption involving supplier failure, logistics interruption, or material shortage.

DAY 04**Scenario Planning, Emerging Risks & Supply Chain Resilience**

- Scenario planning for supply chain disruption
- Supply chain stress testing
- Geopolitical and international trade risks
- Economic and market volatility
- Regulatory and compliance changes
- Natural disasters and environmental risks
- Cybersecurity and technology-related supply chain risks
- Climate and sustainability-related disruption
- Demand volatility and forecasting uncertainty

DAY 04 — CONTINUED

- Early-warning indicators and emerging risk detection
- Supply chain crisis management
- Building organizational resilience and adaptability

PRACTICAL APPLICATION:

- Participants conduct a supply chain stress test using a disruption scenario and identify vulnerabilities, response options, recovery priorities, and resilience improvements.

DAY 05

Supply Chain Visibility, Analytics & Continuous Resilience Improvement

- Supply chain visibility and risk intelligence
- Data-driven supply chain risk management
- Risk dashboards and key risk indicators
- Monitoring supplier and network performance
- Predictive approaches to supply chain risk
- Technology and digital tools for supply chain resilience
- Cross-functional collaboration and risk governance
- Measuring supply chain resilience performance
- Supply chain resilience maturity assessment
- Continuous improvement and lessons learned
- Developing strategic resilience priorities
- Building a long-term supply chain risk management program

FINAL WORKSHOP:

- Participants develop an integrated Supply Chain Risk Management & Resilience Improvement Plan covering supply chain mapping, criticality assessment, supplier risks, sourcing diversification, inventory and capacity strategies, business continuity, scenario planning, early-warning indicators, governance, analytics, and implementation priorities.



Register or Request More Information

Course page: <https://quest-training.com/courses/supply-chain-risk-management-resilience-training-course>

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