

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 31000REA — Risk Management in Rare Earth Supply Chain

ISO Certification Programme



LAPT — London Academy of Professional Training

Address 85 Great Portland Street, W1W 7LT, London, United Kingdom

Email info@lapt.org

Telephone +44 7513 283044

Web lapt.org

Reference MTL-REA-31000REA • ISO Materials

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AT A GLANCE

REFERENCE	MTL-REA-31000REA
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Case Studies in Rare Earth Supply Chains

5 chapters · 30 classes 85 marks

• 1 Overview of Rare Earth Elements and Their Supply Chains — 6 classes

› 1.1 Define Rare Earth Elements and Their Importance in Modern Technology

› 1.2 Explain the Geographical Distribution of Rare Earth Element Deposits

› 1.3 Analyze the Environmental Impact of Rare Earth Element Extraction

› 1.4 Identify Key Players in the Rare Earth Supply Chain

› 1.5 Examine Challenges and Risks in Rare Earth Supply Chain Management

› 1.6 Develop Strategies for Effective Risk Management in Rare Earth Supply Chains

• 2 Identifying Risks in Rare Earth Supply Chain Dynamics — 6 classes

› 2.1 Analyze Key Components of Rare Earth Supply Chains

› 2.2 Identify Common Risks in Rare Earth Extraction Processes

› 2.3 Evaluate Market Dynamics Affecting Rare Earth Supply Chains

› 2.4 Assess Regulatory Impacts on Rare Earth Sourcing

› 2.5 Develop Risk Mitigation Strategies for Supply Chain Disruptions

› 2.6 Create a Contingency Plan for Rare Earth Supply Chain Challenges

• 3 Risk Assessment Methodologies for Rare Earth Supply Chains — 6 classes

› 3.1 Identify Key Risks in Rare Earth Supply Chains

› 3.2 Analyze Risk Factors Affecting Supply Chain Stability

› 3.3 Evaluate Risk Assessment Frameworks for Rare Earth Elements

› 3.4 Develop Custom Risk Assessment Models for Specific Scenarios

› 3.5 Implement Risk Mitigation Strategies in Supply Chain Practices

› 3.6 Review Case Studies to Enhance Risk Assessment Techniques

• 4 Case Studies: Managing Risks in Rare Earth Supply Chains — 6 classes

› 4.1 Identify Key Risks in Rare Earth Supply Chains

› 4.2 Analyze Case Studies of Risk Management Strategies

› 4.3 Evaluate the Impact of Geopolitical Factors on Supply Chains

› 4.4 Develop Risk Mitigation Plans for Supply Chain Disruptions

› 4.5 Implement Monitoring Techniques for Ongoing Risk Assessment

› 4.6 Present and Communicate Risk Management Findings to Stakeholders

• 5 Developing a Robust Risk Management Framework for Rare Earth Supply Chains — 6 classes

› 5.1 Analyze Current Challenges in Rare Earth Supply Chains

› 5.2 Identify Key Risks Affecting Rare Earth Resources

› 5.3 Develop Risk Assessment Models for Supply Chain Scenarios

› 5.4 Formulate Mitigation Strategies for Identified Risks

› 5.5 Implement Monitoring Systems for Risk Factors

› 5.6 Evaluate the Effectiveness of the Risk Management Framework

• 1 Foundations of Risk Management in Rare Earth Supply Chains —

6 classes

- › 1.1 Identify Key Risks in Rare Earth Supply Chains
- › 1.2 Analyze the Impact of Risk Factors on Supply Chain Stability
- › 1.3 Evaluate Current Risk Management Frameworks in Use
- › 1.4 Develop Effective Risk Mitigation Strategies
- › 1.5 Implement Continuous Improvement Mechanisms in Risk Management
- › 1.6 Assess the Effectiveness of Risk Management Initiatives

• 2 Identifying and Assessing Risks in Rare Earth Supply Chains — 6

classes

- › 2.1 Define Key Concepts of Risk in Rare Earth Supply Chains
- › 2.2 Identify Common Risks Associated with Rare Earth Materials
- › 2.3 Analyze the Impact of Supply Chain Disruptions on Rare Earth Resources
- › 2.4 Assess Risk Probability and Consequences in Rare Earth Supply Chains
- › 2.5 Develop a Risk Assessment Matrix for Rare Earth Supply Chain Risks
- › 2.6 Implement Strategies for Mitigating Identified Risks in Supply Chain Management

• 3 Implementing Risk Mitigation Strategies — 6 classes

- › 3.1 Identify Key Risks in the Rare Earth Supply Chain
- › 3.2 Analyze Impact and Likelihood of Identified Risks
- › 3.3 Develop Risk Mitigation Options for Supply Chain Challenges
- › 3.4 Evaluate Effectiveness of Proposed Risk Mitigation Strategies
- › 3.5 Implement Selected Risk Mitigation Strategies in Practice
- › 3.6 Monitor and Review Resulting Changes in Risk Profiles

• 4 Monitoring and Reviewing Risk Management Practices — 6 classes

- › 4.1 Identify Key Performance Indicators for Risk Management Effectiveness
- › 4.2 Establish a Monitoring Framework for Ongoing Risk Assessment
- › 4.3 Implement Regular Review Cycles for Risk Management Strategies
- › 4.4 Analyze Feedback Mechanisms to Enhance Risk Management Practices
- › 4.5 Utilize Data Analytics Tools in Risk Management Evaluation
- › 4.6 Develop Action Plans Based on Review Findings for Continuous Improvement

• 5 Driving Continuous Improvement in Risk Management — 6 classes

- › 5.1 Identify Key Risks in the Rare Earth Supply Chain
- › 5.2 Analyze Root Causes of Supply Chain Disruptions
- › 5.3 Develop Strategies for Risk Mitigation and Management
- › 5.4 Implement Continuous Improvement Processes in Risk Management
- › 5.5 Measure the Effectiveness of Risk Management Strategies
- › 5.6 Foster a Culture of Continuous Improvement within Teams

• 1 Understanding ISO 31000 and Its Applicability to Rare Earth Supply Chains — 6 classes

- › 1.1 Define Key Concepts of ISO 31000 in Context
- › 1.2 Identify Components of the ISO 31000 Framework
- › 1.3 Explore Risk Management Principles Relevant to Rare Earth Supply Chains
- › 1.4 Assess the Impacts of Risks in Rare Earth Supply Chains
- › 1.5 Develop Risk Mitigation Strategies for Rare Earth Supply Chains
- › 1.6 Evaluate Real-World Applications of ISO 31000 in Rare Earth Supply Chains

• 2 Identifying Risks in Rare Earth Supply Chains — 6 classes

- › 2.1 Understand the ISO 31000 Framework for Risk Management
- › 2.2 Identify Key Components of Rare Earth Supply Chains
- › 2.3 Analyze Internal Risks in Rare Earth Supply Chains
- › 2.4 Evaluate External Risks Impacting Rare Earth Supply Chains
- › 2.5 Prioritize Identified Risks in Rare Earth Supply Chains
- › 2.6 Develop Mitigation Strategies for Critical Risks

• 3 Risk Assessment Processes tailored for Rare Earth Materials — 6

classes

- › 3.1 Identify Risk Factors in Rare Earth Supply Chains
- › 3.2 Analyze Vulnerabilities in Sourcing and Production
- › 3.3 Evaluate Impact of Risks on Stakeholder Relationships
- › 3.4 Assess Likelihood of Disruption Events
- › 3.5 Develop Mitigation Strategies for Identified Risks
- › 3.6 Integrate Risk Assessment Outcomes into Decision-Making

• 4 Developing and Implementing Risk Response Strategies — 6 classes

- › 4.1 Assess Current Risks in the Rare Earth Supply Chain
- › 4.2 Identify Risk Response Strategies for Key Risks
- › 4.3 Evaluate Effectiveness of Proposed Risk Responses
- › 4.4 Develop Implementation Plans for Selected Strategies
- › 4.5 Communicate Risk Response Strategies to Stakeholders
- › 4.6 Monitor and Review Risk Responses for Continuous Improvement

• 5 Monitoring and Reviewing Risk Management Practices in Rare Earth Supply Chains — 6 classes

- › 5.1 Identify Key Metrics for Evaluating Risk Management in Rare Earth Supply Chains
- › 5.2 Develop a Framework for Regular Monitoring of Risk Management Practices
- › 5.3 Analyze Data Collection Methods for Effective Risk Assessment
- › 5.4 Implement Tools for Tracking Risk Management Performance
- › 5.5 Conduct a Review Process for Risk Management Strategies in Rare Earth Supply Chains
- › 5.6 Facilitate Continuous Improvement Through Stakeholder Feedback and Lessons Learned

• 1 Fundamentals of Risk Management in Rare Earth Supply Chains

— 6 classes

- › 1.1 Define Key Concepts in Risk Management for Rare Earth Supply Chains
- › 1.2 Identify Common Risks in Rare Earth Mining and Processing
- › 1.3 Analyze Impacts of Supply Chain Disruptions in Rare Earths
- › 1.4 Explore Risk Assessment Methods Specific to Rare Earth Materials
- › 1.5 Evaluate Risk Mitigation Strategies in Rare Earth Supply Chains
- › 1.6 Develop a Risk Management Plan for Rare Earth Supply Chain Scenarios

• 2 Identifying Risks in the Rare Earth Supply Chain — 6 classes

- › 2.1 Analyze Key Components of the Rare Earth Supply Chain
- › 2.2 Identify Potential Internal Risks in Rare Earth Operations
- › 2.3 Recognize External Risks Affecting Rare Earth Suppliers
- › 2.4 Assess Environmental Risks in Rare Earth Extraction
- › 2.5 Evaluate Economic Risks Impacting the Rare Earth Market
- › 2.6 Develop a Risk Matrix for Rare Earth Supply Chain Management

• 3 Qualitative Risk Assessment Techniques — 6 classes

- › 3.1 Define Qualitative Risk Assessment Techniques in Supply Chains
- › 3.2 Identify Key Stakeholders for Risk Assessment in Rare Earth Supply Chains
- › 3.3 Implement Brainstorming Sessions for Risk Identification
- › 3.4 Utilize SWOT Analysis to Assess Risks in Supply Chains
- › 3.5 Apply the Delphi Method for Consensus in Risk Evaluation
- › 3.6 Develop Action Plans Based on Qualitative Risk Assessment Findings

• 4 Quantitative Risk Analysis for Rare Earth Resources — 6 classes

- › 4.1 Define Key Concepts in Quantitative Risk Analysis for Rare Earth Resources
- › 4.2 Identify Potential Risks in the Rare Earth Supply Chain
- › 4.3 Utilize Statistical Methods for Risk Quantification in Rare Earth Resources
- › 4.4 Develop Risk Assessment Models for Rare Earth Supply Chains
- › 4.5 Analyze Case Studies of Quantitative Risk Analysis in Rare Earth Supply
- › 4.6 Present Findings and Recommendations from Quantitative Risk Assessments

• 5 Developing a Comprehensive Risk Management Framework — 6 classes

- › 5.1 Define Key Concepts in Risk Management Frameworks
- › 5.2 Identify Stakeholders in the Rare Earth Supply Chain
- › 5.3 Analyze Common Risks Associated with Rare Earth Materials
- › 5.4 Develop Strategies for Risk Mitigation in Supply Chains
- › 5.5 Implement a Risk Assessment Matrix for Evaluation
- › 5.6 Create an Action Plan for Continuous Risk Monitoring

• 1 Understanding Rare Earth Supply Chains and Their Vulnerabilities — 6 classes

- › 1.1 Identify key components of rare earth supply chains
- › 1.2 Analyze vulnerabilities in rare earth sourcing and processing
- › 1.3 Examine geopolitical factors impacting rare earth supply
- › 1.4 Assess the impact of market fluctuations on supply chain stability
- › 1.5 Develop risk mitigation strategies for rare earth supply challenges
- › 1.6 Implement monitoring systems for continuous risk assessment

• 2 Principles of Risk Management in ISO 31000 Framework — 6 classes

- › 2.1 Define Key Concepts of Risk Management in ISO 31000 Framework
- › 2.2 Identify Core Principles of Risk Management
- › 2.3 Analyze the Context and Principles of ISO 31000
- › 2.4 Evaluate Risk Mitigation Strategies in Supply Chain Scenarios
- › 2.5 Develop a Risk Management Plan for Rare Earth Supply Chains
- › 2.6 Assess the Effectiveness of Implemented Risk Management Practices

• 3 Identifying and Assessing Risks within Rare Earth Supply Chains

— 6 classes

- › 3.1 Define Key Concepts of Risk in Rare Earth Supply Chains
- › 3.2 Identify Common Risks Associated with Rare Earth Materials
- › 3.3 Analyze the Sources of Risk in the Supply Chain
- › 3.4 Evaluate the Impact of Identified Risks on Business Operations
- › 3.5 Prioritize Risks Based on Likelihood and Severity
- › 3.6 Develop Strategies for Mitigating Identified Risks in Practice

• 4 Developing Risk Mitigation Strategies for Rare Earth Supply Chains — 6 classes

- › 4.1 Identify Key Risks in Rare Earth Supply Chains
- › 4.2 Assess Impact and Likelihood of Identified Risks
- › 4.3 Develop Tailored Risk Mitigation Strategies
- › 4.4 Implement Mitigation Strategies Across the Supply Chain
- › 4.5 Monitor and Review Risk Mitigation Effectiveness
- › 4.6 Communicate Risk Management Plans to Stakeholders

• 5 Implementing and Evaluating Risk Mitigation Plans — 6 classes

- › 5.1 Identify Key Components of Risk Mitigation Plans
- › 5.2 Develop Risk Mitigation Strategies for Rare Earth Supply Chains
- › 5.3 Integrate Stakeholder Input into Risk Mitigation Planning
- › 5.4 Implement Risk Mitigation Plans in Real-World Scenarios
- › 5.5 Monitor and Measure Effectiveness of Mitigation Strategies
- › 5.6 Adjust and Revise Risk Plans Based on Evaluative Feedback

• 1 Understanding Risk Management Principles in Rare Earth Supply Chains — 6 classes

- › 1.1 Define Key Concepts in Risk Management for Rare Earth Supply Chains
- › 1.2 Identify Common Risks in Rare Earth Supply Chains
- › 1.3 Analyze the Impact of Risk on Supply Chain Operations
- › 1.4 Explore Risk Assessment Techniques Relevant to Rare Earth Materials
- › 1.5 Develop Strategies for Mitigating Identified Risks
- › 1.6 Implement a Risk Management Framework for Leadership in Supply Chains

• 2 Identifying and Analyzing Risks in Rare Earth Operations — 6 classes

- › 2.1 Define Key Concepts in Risk Management for Rare Earth Operations
- › 2.2 Identify Common Risks in the Rare Earth Supply Chain
- › 2.3 Utilize SWOT Analysis to Assess Risks in Rare Earth Operations
- › 2.4 Analyze the Impact of Political and Economic Factors on Risk
- › 2.5 Develop Risk Assessment Tools for Rare Earth Projects
- › 2.6 Create an Action Plan for Mitigating Identified Risks

• 3 Developing Effective Leadership Strategies for Risk Mitigation — 6 classes

- › 3.1 Analyze Key Risks in Rare Earth Supply Chains
- › 3.2 Develop Communication Strategies for Risk Awareness
- › 3.3 Foster Team Collaboration for Effective Risk Management
- › 3.4 Implement Decision-Making Frameworks for Risk Mitigation
- › 3.5 Evaluate Leadership Styles for Risk Leadership Effectiveness
- › 3.6 Create an Action Plan for Continuous Risk Improvement

• 4 Communication and Collaboration in Risk Management Teams — 6 classes

- › 4.1 Identify Key Communication Barriers in Risk Management Teams
- › 4.2 Develop Active Listening Skills for Effective Team Collaboration
- › 4.3 Foster Open Dialogue through Structured Communication Techniques
- › 4.4 Implement Collaborative Tools for Risk Assessment and Reporting
- › 4.5 Analyze Real-World Case Studies on Communication in Risk Management
- › 4.6 Create an Action Plan for Enhancing Team Collaboration Strategies

• 5 Evaluating and Improving Risk Management Practices in Teams — 6 classes

- › 5.1 Assess Current Risk Management Practices in Your Team
- › 5.2 Identify Key Risks in the Rare Earth Supply Chain
- › 5.3 Develop Effective Risk Mitigation Strategies
- › 5.4 Implement Collaborative Risk Assessment Techniques
- › 5.5 Evaluate Team Performance in Risk Management
- › 5.6 Create an Action Plan for Continuous Improvement in Risk Practices