

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 31000ARS — Risk Management in Aerospace

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 TR-ARS-31000ARS • ISO Transport

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

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

CURRICULUM

1 Regulatory Compliance and Standards 0 chapters65 marks	
2 Risk Assessment Techniques 5 chapters · 30 classes65 marks	• 1 Fundamentals of Risk Assessment in Aerospace — 6 classes › 1.1 Define Key Concepts in Aerospace Risk Assessment › 1.2 Identify Common Risks in Aerospace Environments › 1.3 Analyze Risk Factors Affecting Aerospace Operations › 1.4 Evaluate Qualitative vs. Quantitative Risk Assessment Methods › 1.5 Develop a Risk Assessment Framework for Aerospace Projects › 1.6 Implement Risk Mitigation Strategies in Aerospace Systems • 2 Identifying Risks in Aerospace Operations — 6 classes › 2.1 Define and Understand Risk in Aerospace Operations › 2.2 Explore Common Risk Categories in Aerospace › 2.3 Analyze the Risk Assessment Process in Aerospace Contexts › 2.4 Identify Stakeholders and Their Roles in Risk Management › 2.5 Utilize Tools and Techniques for Risk Identification › 2.6 Apply Risk Identification Methods to Real-world Aerospace Scenarios • 3 Qualitative Risk Analysis Techniques — 6 classes › 3.1 Identify Key Qualitative Risk Analysis Techniques › 3.2 Assess the Importance of Stakeholder Input in Risk Analysis › 3.3 Apply the SWOT Analysis Method for Risk Evaluation › 3.4 Utilize Risk Matrix Techniques for Prioritization › 3.5 Develop Scenarios to Illustrate Risk Impact › 3.6 Communicate Qualitative Risk Findings to Stakeholders • 4 Quantitative Risk Analysis Techniques — 6 classes › 4.1 Define Key Concepts in Quantitative Risk Analysis › 4.2 Identify and Categorize Risks Using Quantitative Methods › 4.3 Employ Statistical Tools for Risk Measurement › 4.4 Analyze Risk Data Using Probability Distributions › 4.5 Evaluate Risk Scenarios with Sensitivity Analysis › 4.6 Apply Quantitative Techniques to Develop Risk Mitigation Strategies • 5 Risk Mitigation Strategies in Aerospace Projects — 6 classes › 5.1 Identify Key Risks in Aerospace Projects › 5.2 Analyze Risk Impact and Likelihood › 5.3 Explore Risk Mitigation Strategies and Tools › 5.4 Develop a Risk Mitigation Plan for Case Studies › 5.5 Implement Mitigation Strategies in Project Scenarios › 5.6 Evaluate the Effectiveness of Risk Mitigation Efforts
3 Risk Communication 0 chapters65 marks	

• 1 Foundations of Risk Management in Aerospace — 6 classes

- › 1.1 Define Key Concepts of Risk Management in Aerospace
- › 1.2 Identify Common Risk Factors in Aerospace Operations
- › 1.3 Analyze Historical Case Studies of Risk Management Failures
- › 1.4 Explore the ISO 31000 Framework and Its Principles
- › 1.5 Develop a Risk Assessment Strategy for Aerospace Projects
- › 1.6 Implement a Risk Management Plan in a Simulation Exercise

• 2 ISO 31000 and Its Application in Aerospace — 6 classes

- › 2.1 Explore the Principles of ISO 31000
- › 2.2 Identify Key Components of the Risk Management Framework
- › 2.3 Analyze the Risk Management Process in Aerospace Context
- › 2.4 Evaluate Risk Assessment Techniques Specific to Aerospace
- › 2.5 Implement ISO 31000 Standards in Aerospace Projects
- › 2.6 Review Case Studies of ISO 31000 Applications in Aerospace

• 3 Risk Assessment Methodologies for Aerospace Projects — 6 classes

- › 3.1 Identify Risk Assessment Methodologies in Aerospace Projects
- › 3.2 Analyze Qualitative Risk Assessment Techniques
- › 3.3 Explore Quantitative Risk Assessment Techniques
- › 3.4 Compare Risk Assessment Tools and Their Applications
- › 3.5 Implement a Risk Assessment Framework for an Aerospace Project
- › 3.6 Evaluate the Effectiveness of Risk Assessment Methodologies

• 4 Developing a Risk Management Plan for Aerospace Operations — 6 classes

- › 4.1 Identify Key Components of a Risk Management Plan
- › 4.2 Analyze Risks Specific to Aerospace Operations
- › 4.3 Develop Mitigation Strategies for Identified Risks
- › 4.4 Establish Risk Assessment Criteria and Metrics
- › 4.5 Create a Risk Communication Plan for Stakeholders
- › 4.6 Evaluate and Update the Risk Management Plan Regularly

• 5 Implementing and Monitoring Risk Management Strategies in Aerospace — 6 classes

- › 5.1 Identify Key Risk Management Strategies in Aerospace
- › 5.2 Evaluate the Effectiveness of Existing Risk Management Frameworks
- › 5.3 Develop Customized Risk Management Plans for Aerospace Projects
- › 5.4 Implement Risk Monitoring Techniques in Aerospace Operations
- › 5.5 Analyze Risk Management Performance Metrics and Indicators
- › 5.6 Adjust Risk Management Strategies Based on Monitoring Outcomes

• 1 Understanding Risk in Aerospace Contexts — 6 classes

- › 1.1 Define Risk: Key Terms and Concepts in Aerospace
- › 1.2 Identify Common Risks in Aerospace Operations
- › 1.3 Analyze the Impact of Risk on Aerospace Projects
- › 1.4 Evaluate Risk Assessment Techniques in Aerospace
- › 1.5 Develop Mitigation Strategies for Aerospace Risks
- › 1.6 Implement a Risk Management Framework in Aerospace Leadership

• 2 Frameworks and Standards for Strategic Decision Making — 6 classes

- › 2.1 Analyze Key Frameworks for Strategic Decision Making
- › 2.2 Compare ISO 31000 and Other Risk Management Standards
- › 2.3 Evaluate the Role of Leadership in Strategic Frameworks
- › 2.4 Identify Stakeholders and Their Impact on Decision Making
- › 2.5 Apply Risk Assessment Techniques in Strategic Scenarios
- › 2.6 Develop a Strategic Decision-Making Model Using ISO 31000

• 3 Risk Assessment Techniques and Tools — 6 classes

- › 3.1 Identify Key Risk Factors in Aerospace Projects
- › 3.2 Analyze Risk Assessment Methodologies for Aerospace
- › 3.3 Apply Qualitative Risk Assessment Techniques
- › 3.4 Utilize Quantitative Risk Assessment Tools
- › 3.5 Evaluate Risk Mitigation Strategies in Aerospace
- › 3.6 Develop a Comprehensive Risk Assessment Report

• 4 Integrating Risk Management into Strategic Planning — 6 classes

- › 4.1 Define Key Concepts of Risk Management in Aerospace
- › 4.2 Analyze the Role of Risk Management in Strategic Planning
- › 4.3 Identify Tools and Techniques for Integrating Risk Management
- › 4.4 Assess Stakeholder Perspectives on Risk in Decision Making
- › 4.5 Develop a Framework for Incorporating Risk into Strategic Plans
- › 4.6 Create a Risk Assessment Plan for a Strategic Initiative

• 5 Evaluating Outcomes and Continuous Improvement