

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 9001ARS — Quality Management in Aerospace Supply Chain

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference TR-ARS-9001ARS • ISO Transport

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AT A GLANCE

REFERENCE	TR-ARS-9001ARS
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Continuous Improvement Techniques

5 chapters · 18 classes65 marks

• 1 Understanding Continuous Improvement in Aerospace Supply Chains — 6 classes

› 1.1 Define Continuous Improvement in Aerospace Supply Chains

› 1.2 Identify Key Principles of Quality Management

› 1.3 Explore Tools and Techniques for Continuous Improvement

› 1.4 Analyze Case Studies of Successful Aerospace Improvements

› 1.5 Develop a Continuous Improvement Plan for Supply Chain Processes

› 1.6 Implement Feedback Mechanisms for Ongoing Improvement

• 2 Key Continuous Improvement Methodologies and Tools — 6 classes

› 2.1 Identify Key Principles of Continuous Improvement

› 2.2 Explore Lean Methodology in Aerospace Supply Chains

› 2.3 Examine the Six Sigma Approach to Quality Management

› 2.4 Analyze the Plan-Do-Check-Act Cycle for Process Improvement

› 2.5 Apply Root Cause Analysis for Issue Resolution

› 2.6 Develop Action Plans Utilizing Continuous Improvement Tools

• 3 Data-Driven Decision Making for Continuous Improvement — 6 classes

› 3.1 Identify Key Performance Indicators for Continuous Improvement

› 3.2 Collect and Analyze Data for Process Evaluation

› 3.3 Utilize Statistical Tools for Data Interpretation

› 3.4 Plan and Implement Data-Driven Solutions

› 3.5 Monitor Progress and Revise Strategies Based on Data Feedback

› 3.6 Develop a Culture of Continuous Improvement through Data Sharing

• 4 Implementing Continuous Improvement Projects in Aerospace

• 5 Evaluating Success and Driving a Culture of Continuous Improvement

• 1 Understanding ISO 9001 and Its Importance in Aerospace — 6 classes

- › 1.1 Define ISO 9001 and Its Key Principles
- › 1.2 Explore the Historical Development of ISO 9001
- › 1.3 Identify the Benefits of ISO 9001 in Aerospace
- › 1.4 Analyze the Structure of ISO 9001 Standards
- › 1.5 Examine Case Studies of ISO 9001 Implementation in Aerospace
- › 1.6 Develop an Action Plan for Integrating ISO 9001 in Aerospace Supply Chains

• 2 Core Principles and Structure of ISO 9001 Standards — 6 classes

- › 2.1 Understand the Importance of ISO 9001 in Aerospace
- › 2.2 Explore the Core Principles of Quality Management
- › 2.3 Identify the Structure of ISO 9001 Standards
- › 2.4 Analyze Key Terms and Definitions in ISO 9001
- › 2.5 Examine the Role of Leadership in Quality Management
- › 2.6 Apply ISO 9001 Principles to Aerospace Supply Chain Scenarios

• 3 Implementing a Quality Management System (QMS) in Aerospace Supply Chains — 6 classes

- › 3.1 Define Key Elements of a Quality Management System in Aerospace
- › 3.2 Identify the Benefits of ISO 9001 for Aerospace Supply Chains
- › 3.3 Assess Current Processes against ISO 9001 Standards
- › 3.4 Develop an Implementation Plan for a QMS in Aerospace
- › 3.5 Establish Metrics for Measuring QMS Effectiveness in Supply Chains
- › 3.6 Conduct a QMS Internal Audit in an Aerospace Context

• 4 Auditing and Continuous Improvement in ISO 9001 Framework — 6 classes

- › 4.1 Explore the Role of Auditing in ISO 9001 Compliance
- › 4.2 Identify Key Principles of Effective Audits
- › 4.3 Analyze Common Audit Findings and Their Implications
- › 4.4 Evaluate the Continuous Improvement Cycle in ISO 9001
- › 4.5 Develop Action Plans for Addressing Audit Recommendations
- › 4.6 Implement Strategies for Sustaining Continuous Improvement

• 5 Leadership and Cultural Transformation for Quality Management Success — 6 classes

- › 5.1 Define Leadership Roles in Quality Management
- › 5.2 Explore the Importance of Culture in Quality Success
- › 5.3 Identify Key Leadership Behaviors for Cultural Transformation
- › 5.4 Develop Strategies for Engaging Teams in Quality Initiatives
- › 5.5 Assess Impact of Leadership on Quality Management Outcomes
- › 5.6 Create an Action Plan for Leadership in Quality Transformation

• 1 Foundations of Quality Management Systems in Aerospace — 6 classes

- › 1.1 Define Key Concepts of Quality Management in Aerospace
- › 1.2 Explore the Principles of ISO 9001 Standards
- › 1.3 Identify Components of an Effective Quality Management System
- › 1.4 Analyze the Role of Leadership in Quality Management
- › 1.5 Assess the Impact of Quality Management on Aerospace Supply Chains
- › 1.6 Implement Best Practices for Continuous Improvement in Aerospace

• 2 Understanding ISO 9001 Standards in Aerospace Supply Chains — 6 classes

- › 2.1 Explore the Fundamental Principles of ISO 9001 Standards
- › 2.2 Identify Key Components of Quality Management Systems in Aerospace
- › 2.3 Analyze the Role of Leadership in Quality Management
- › 2.4 Evaluate Risk Management Strategies in Aerospace Supply Chains
- › 2.5 Apply Continuous Improvement Techniques in Quality Management
- › 2.6 Implement ISO 9001 Compliance Strategies for Aerospace Suppliers

• 3 Implementation Strategies for Effective QMS — 6 classes

- › 3.1 Analyze Key Components of a Quality Management System
- › 3.2 Identify Stakeholder Roles in QMS Implementation
- › 3.3 Develop a Step-by-Step QMS Implementation Plan
- › 3.4 Evaluate Risk Management Practices in Aerospace Supply Chains
- › 3.5 Integrate Continuous Improvement Strategies into QMS
- › 3.6 Assess the Effectiveness of QMS Through Metrics and Feedback

• 4 Monitoring and Measuring QMS Performance — 6 classes

- › 4.1 Define Key Performance Indicators for QMS
- › 4.2 Establish Baselines for Measuring QMS Performance
- › 4.3 Utilize Data Collection Methods for QMS Monitoring
- › 4.4 Analyze Performance Data to Identify Trends
- › 4.5 Implement Continuous Improvement Strategies Based on Findings
- › 4.6 Communicate QMS Performance Results to Stakeholders

• 5 Leadership and Cultural Change in Quality Management — 6 classes

- › 5.1 Assess the Role of Leadership in Quality Management
- › 5.2 Identify Key Cultural Attributes for Quality Improvement
- › 5.3 Develop Strategies for Cultivating a Quality-Focused Culture
- › 5.4 Communicate the Vision for Quality Management Effectively
- › 5.5 Implement Change Management Techniques in Quality Initiatives
- › 5.6 Evaluate the Impact of Leadership on Quality Outcomes

• 1 Fundamentals of Risk Management in Aerospace Supply Chains

— 6 classes

- › 1.1 Define Key Concepts of Risk Management in Aerospace
- › 1.2 Identify Common Risks in Aerospace Supply Chains
- › 1.3 Analyze Risk Assessment Techniques Used in Aerospace
- › 1.4 Explore Mitigation Strategies for Identified Risks
- › 1.5 Evaluate the Impact of Risk on Supply Chain Performance
- › 1.6 Develop a Risk Management Plan for Aerospace Projects

• 2 Identifying Risk Factors in Aerospace Operations — 6 classes

- › 2.1 Analyze Common Risk Factors in Aerospace Operations
- › 2.2 Assess Impact of Regulatory Compliance on Risk Management
- › 2.3 Identify Human Factors Contributing to Operational Risks
- › 2.4 Evaluate Technology Risks in Aerospace Supply Chains
- › 2.5 Categorize Environmental Risks Affecting Aerospace Operations
- › 2.6 Develop Strategies to Mitigate Identified Risks

• 3 Analyzing and Assessing Risks in Aerospace Projects — 6 classes

- › 3.1 Identify Key Risks in Aerospace Projects
- › 3.2 Evaluate the Impact of Identified Risks
- › 3.3 Assess the Likelihood of Risk Occurrence
- › 3.4 Prioritize Risks Based on Impact and Likelihood
- › 3.5 Develop Risk Mitigation Strategies
- › 3.6 Monitor and Review Risks Throughout Project Lifecycle

• 4 Developing Risk Mitigation Strategies in Aerospace Supply Chains — 6 classes

- › 4.1 Identify Key Risks in Aerospace Supply Chains
- › 4.2 Analyze Risk Impact on Aerospace Operations
- › 4.3 Develop Risk Prioritization Frameworks
- › 4.4 Create Effective Risk Mitigation Plans
- › 4.5 Implement Monitoring Strategies for Risk Levels
- › 4.6 Evaluate and Adapt Risk Mitigation Strategies

• 5 Monitoring and Reviewing Risk Management Processes in Aerospace — 6 classes

- › 5.1 Analyze Current Risk Management Processes in Aerospace
- › 5.2 Identify Key Performance Indicators for Risk Monitoring
- › 5.3 Evaluate the Effectiveness of Risk Mitigation Strategies
- › 5.4 Conduct Risk Audits in Aerospace Supply Chains
- › 5.5 Implement Continuous Improvement Techniques in Risk Management
- › 5.6 Report Findings and Recommend Adjustments to Stakeholders