

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 1161 — Series 1 Freight Containers Corner and Intermediate Fittings

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference TR-FRC-1161 • ISO Transport

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AT A GLANCE

REFERENCE	TR-FRC-1161
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Compliance and Quality Assurance

5 chapters · 18 classes 85 marks

• 1 Understanding ISO 1161 Standards for Freight Containers — 6 classes

› 1.1 Identify Key Components of ISO 1161 Standards

› 1.2 Explain the Importance of Corner and Intermediate Fittings

› 1.3 Analyze Compliance Requirements for Freight Containers

› 1.4 Assess Quality Assurance Processes in Freight Container Design

› 1.5 Evaluate Real-World Applications of ISO 1161 Standards

› 1.6 Implement Best Practices for Compliance and Quality in Freight Shipping

• 2 Key Components of Corner and Intermediate Fittings — 6 classes

› 2.1 Identify Key Components of Corner and Intermediate Fittings

› 2.2 Describe the Functionality of Corner Fittings in Freight Containers

› 2.3 Explain the Role of Intermediate Fittings in Load Distribution

› 2.4 Compare Types of Corner and Intermediate Fittings Used in the Industry

› 2.5 Analyze Compliance Standards for Fitting Components in Freight Containers

› 2.6 Assess Quality Assurance Techniques for Inspecting Fittings

• 3 Quality Assurance Processes in Freight Container Manufacturing — 6 classes

› 3.1 Identify Key Quality Standards in Freight Container Manufacturing

› 3.2 Analyze Quality Assurance Processes in Container Production

› 3.3 Evaluate Training Requirements for Quality Compliance

› 3.4 Implement Quality Control Testing Methods for Freight Containers

› 3.5 Assess Impact of Quality Assurance on Container Durability

› 3.6 Develop a Continuous Improvement Plan for Quality Assurance Practices

• 4 Compliance Checks and Testing Procedures

• 5 Leadership in Achieving Compliance and Quality Standards

• 1 Understanding ISO Standards and Their Impact on Freight Container Design — 6 classes

- › 1.1 Explore ISO Standards and Their Importance in Freight Container Design
- › 1.2 Identify Key Components of Corner and Intermediate Fittings
- › 1.3 Analyze the Design Criteria for Freight Container Fittings
- › 1.4 Examine Material Specifications for Corner and Intermediate Fittings
- › 1.5 Assess Compliance Measures with ISO 1161 Standards
- › 1.6 Apply Knowledge of Fitting Designs in Real-World Scenarios

• 2 Components and Materials of Corner and Intermediate Fittings — 6 classes

- › 2.1 Identify Key Components of Corner and Intermediate Fittings
- › 2.2 Describe Materials Used in Fittings Design
- › 2.3 Analyze Structural Integrity of Fittings Components
- › 2.4 Compare Different Fittings Designs and Their Functions
- › 2.5 Examine Regulatory Standards Affecting Fittings Materials
- › 2.6 Apply Knowledge to Select Appropriate Materials for Fittings Design

• 3 Design Principles and Load Distribution in Fitting Systems — 6 classes

- › 3.1 Understand Key Design Principles for Freight Container Fittings
- › 3.2 Analyze Load Distribution in Corner Fitting Systems
- › 3.3 Evaluate Intermediate Fitting Designs for Stability
- › 3.4 Identify Materials and Strength Requirements for Fittings
- › 3.5 Design a Fitting System Based on Load Factors
- › 3.6 Apply Best Practices in Testing and Compliance for Container Fittings

• 4 Testing and Quality Assurance for Freight Container Fittings — 6 classes

- › 4.1 Evaluate Testing Standards for Freight Container Fittings
- › 4.2 Investigate Quality Assurance Protocols in Fitting Design
- › 4.3 Analyze Testing Methods for Corner and Intermediate Fittings
- › 4.4 Implement Quality Control Measures During Production
- › 4.5 Conduct Case Studies on Fitting Failures and Solutions
- › 4.6 Design a Comprehensive Quality Assurance Plan for Fittings

• 5 Innovations and Future Trends in Fitting Design — 6 classes

- › 5.1 Explore Emerging Materials in Fitting Design
- › 5.2 Analyze Current Challenges in Corner and Intermediate Fittings
- › 5.3 Investigate Innovative Technologies for Enhanced Durability
- › 5.4 Design Future-Proof Solutions for Container Fittings
- › 5.5 Evaluate Sustainability Practices in Fitting Manufacturing
- › 5.6 Propose a Concept for Adaptive Freight Container Fittings

• 1 Understanding ISO Standards in Freight Container Design — 6 classes

- › 1.1 Explore the Fundamentals of ISO Standards in Freight Container Design
- › 1.2 Identify Key Components of ISO 1161 for Freight Containers
- › 1.3 Analyze the Importance of Corner and Intermediate Fittings
- › 1.4 Examine ISO Compliance and Its Impact on Container Safety
- › 1.5 Discuss the Global Relevance of ISO Standards in Shipping
- › 1.6 Apply ISO 1161 Standards to Real-World Freight Container Scenarios

• 2 Overview of ISO 1161 and Its Application — 6 classes

- › 2.1 Define ISO Standards and Their Importance in Freight Containers
- › 2.2 Examine the Components of ISO 1161 Freight Container Fittings
- › 2.3 Identify the Role of Corner and Intermediate Fittings in Container Stability
- › 2.4 Analyze Compliance Requirements of ISO 1161 in Container Design
- › 2.5 Explore Real-World Applications of ISO 1161 in Shipping Logistics
- › 2.6 Evaluate the Impact of ISO 1161 on Safety and Efficiency in Freight Handling

• 3 Principles of Corner and Intermediate Fittings in Freight Containers — 6 classes

- › 3.1 Define Corner and Intermediate Fittings in Freight Containers
- › 3.2 Explain the Importance of ISO 1161 Standards for Freight Containers
- › 3.3 Identify Various Types of Corner and Intermediate Fittings
- › 3.4 Discuss the Technical Specifications of ISO 1161 Compliant Fittings
- › 3.5 Analyze the Impact of Fitting Design on Freight Container Safety
- › 3.6 Evaluate Real-World Applications of Corner and Intermediate Fittings

• 4 Quality Assurance and Compliance in Freight Container Manufacturing — 6 classes

- › 4.1 Understand the Importance of Quality Assurance in Freight Container Manufacturing
- › 4.2 Identify Key ISO Standards Relevant to Quality Assurance Processes
- › 4.3 Analyze Compliance Requirements for Freight Containers under ISO 1161
- › 4.4 Implement Quality Control Techniques in the Manufacturing Process
- › 4.5 Evaluate the Role of Documentation in Ensuring Compliance and Quality
- › 4.6 Apply Best Practices for Continuous Improvement in Container Production

• 5 Leadership in ISO Standard Implementation and Management — 6 classes

- › 5.1 Understand the Role of Leadership in ISO Standards
- › 5.2 Identify Key Leadership Traits for Effective ISO Implementation
- › 5.3 Assess the Impact of Leadership on ISO Standard Adoption
- › 5.4 Develop Strategies for Leading ISO Compliance Initiatives
- › 5.5 Engage Teams in ISO Standard Management Practices
- › 5.6 Evaluate Leadership Success in ISO Implementation Outcomes

5

Risk Management in Freight Transport

0 chapters

65 marks

6

Strategic Leadership in Freight Logistics

0 chapters

65 marks