

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 45001RAL — Occupational Health and Safety in Rail Operations

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference TR-RAL-45001RAL • ISO Transport

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	TR-RAL-45001RAL
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 Regulatory Overview 0 chapters85 marks	
2	Implementation of Safety Management Systems 0 chapters65 marks	
3	ISO 45001 Standards and Framework 5 chapters · 30 classes85 marks • 1 Introduction to ISO 45001 Standards in Rail Operations — 6 classes › 1.1 Define ISO 45001: Key Concepts and Principles › 1.2 Explore the Purpose and Benefits of ISO 45001 in Rail Operations › 1.3 Examine the Structure of ISO 45001 Standards › 1.4 Identify the Roles and Responsibilities in Implementing ISO 45001 › 1.5 Assess Key Challenges in Adopting ISO 45001 for Rail Operators › 1.6 Develop an Action Plan for ISO 45001 Integration in Rail Operations • 2 Risk Assessment and Hazard Identification in Rail Context — 6 classes › 2.1 Identify Common Hazards in Rail Operations › 2.2 Understand the Principles of Risk Assessment › 2.3 Analyze Risk Factors Specific to Rail Work Environments › 2.4 Evaluate the Impact of Identified Hazards › 2.5 Develop Risk Mitigation Strategies for Rail Safety › 2.6 Implement a Continuous Improvement Process for Hazard Management • 3 Implementation of ISO 45001 Framework in Rail Safety Management — 6 classes › 3.1 Define the Core Principles of ISO 45001 in Rail Operations › 3.2 Identify Key Stakeholders and Their Roles in Implementation › 3.3 Conduct a Gap Analysis to Assess Current Safety Management Practices › 3.4 Develop a Step-by-Step Implementation Plan for ISO 45001 › 3.5 Establish Monitoring and Audit Procedures for Continuous Improvement › 3.6 Evaluate the Effectiveness of ISO 45001 Implementation in Rail Safety Management • 4 Monitoring and Measuring Health and Safety Performance in Rail — 6 classes › 4.1 Understand Key Concepts of Health and Safety Performance Metrics › 4.2 Identify Legal and Regulatory Requirements for Rail Safety Monitoring › 4.3 Develop Effective Data Collection Methods for Safety Performance › 4.4 Analyze Safety Performance Data to Identify Trends and Issues › 4.5 Implement Continuous Improvement Strategies Based on Performance Analysis › 4.6 Communicate Safety Performance Results to Stakeholders Effectively • 5 Continuous Improvement and Leadership in Rail Operations' Safety Culture — 6 classes › 5.1 Analyze Current Safety Culture in Rail Operations › 5.2 Identify Key Leadership Roles in Safety Improvement › 5.3 Implement Effective Communication Strategies for Safety › 5.4 Develop a Continuous Improvement Plan for Safety Practices › 5.5 Evaluate Effectiveness of Safety Interventions and Leadership › 5.6 Foster a Culture of Feedback and Accountability in Rail Safety	
4	Leadership in Health and Safety 0 chapters65 marks	

• 1 Understanding Risk Assessment Principles in Rail Operations —

6 classes

- › 1.1 Define Key Concepts in Risk Assessment for Rail Operations
- › 1.2 Identify the Different Types of Risks in Rail Operations
- › 1.3 Explain the Importance of Risk Assessment in Occupational Health and Safety
- › 1.4 Utilize Risk Assessment Tools and Techniques in Rail Settings
- › 1.5 Analyze Real-World Case Studies of Risk Assessment Implementation
- › 1.6 Develop a Basic Risk Assessment Plan for a Rail Operation Scenario

• 2 Identifying Hazards in Rail Environments — 6 classes

- › 2.1 Define and Categorize Hazards in Rail Environments
- › 2.2 Conduct Walkthroughs to Identify Physical Hazards
- › 2.3 Analyze Human Factors Contributing to Hazards
- › 2.4 Evaluate Environmental Risks in Rail Operations
- › 2.5 Utilize Tools and Techniques for Hazard Identification
- › 2.6 Develop a Comprehensive Hazard Identification Report

• 3 Analyzing and Evaluating Risks in Rail Operations — 6 classes

- › 3.1 Identify Key Hazards in Rail Operations
- › 3.2 Evaluate Sources of Risk in Rail Infrastructure
- › 3.3 Analyze Risk Impact on Personnel and Operations
- › 3.4 Prioritize Risks Using a Risk Matrix
- › 3.5 Develop Mitigation Strategies for Identified Risks
- › 3.6 Review and Revise Risk Assessment Processes

• 4 Implementing Control Measures for Risk Mitigation**• 5 Monitoring, Reviewing, and Continuous Improvement of Risk Assessments**