

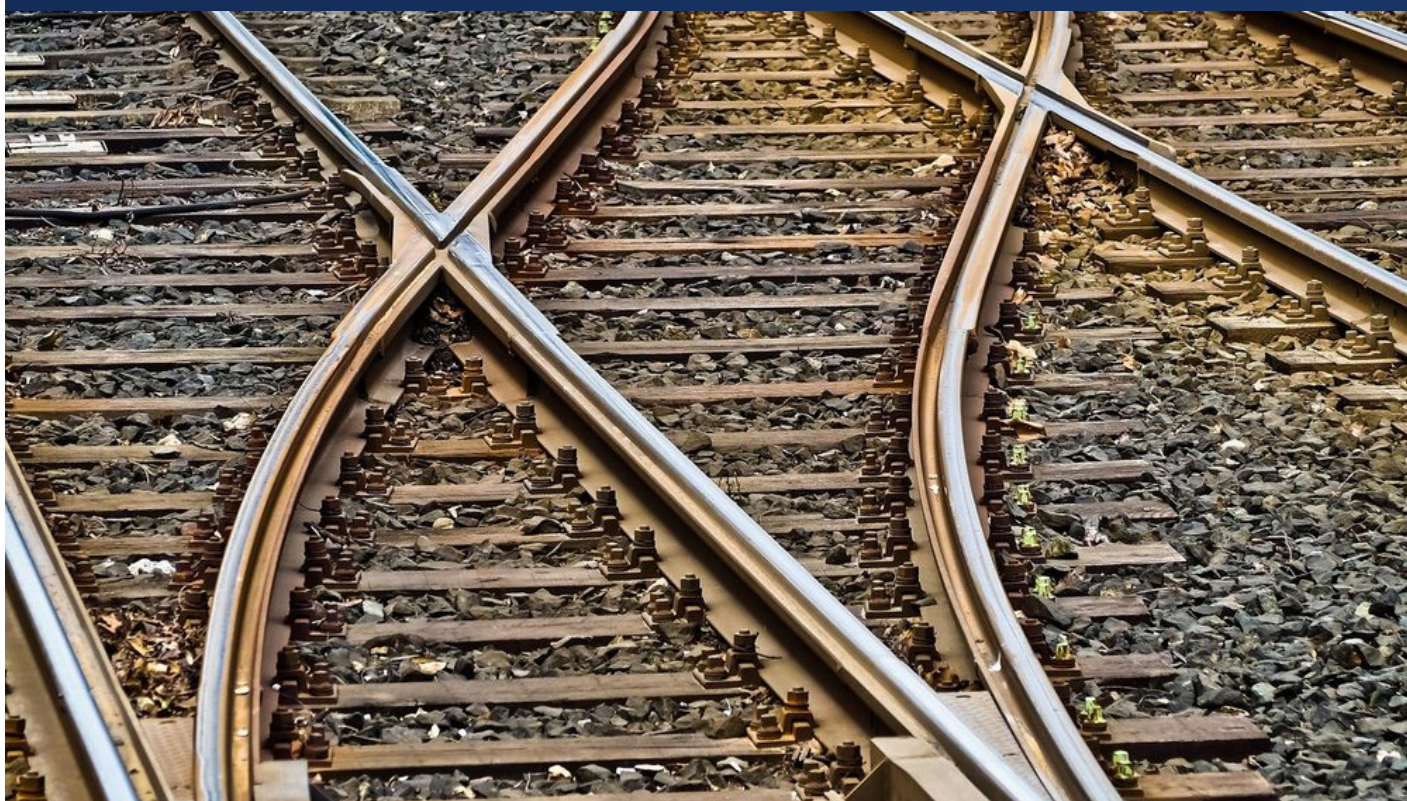
LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 27001RAL — Information Security for Rail Systems

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-RAL-27001RAL • ISO Transport

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	TR-RAL-27001RAL
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Effectiveness Evaluation of Security Measures 0 chapters45 marks	
2 ISO 27001 Framework and Principles 5 chapters · 30 classes85 marks	• 1 Understanding ISO 27001: Foundations of Information Security Management — 6 classes › 1.1 Define Key Terms in Information Security Management › 1.2 Explore the Importance of ISO 27001 in Rail Systems › 1.3 Identify Core Principles of the ISO 27001 Framework › 1.4 Examine the Structure of ISO 27001 Documentation › 1.5 Analyze Benefits of Implementing ISO 27001 Standards › 1.6 Develop an Action Plan for ISO 27001 Integration • 2 Principles of Information Security: People, Processes, and Technology — 6 classes › 2.1 Identify Key Components of Information Security › 2.2 Understand the Role of People in Information Security › 2.3 Analyze the Impact of Processes on Security Frameworks › 2.4 Evaluate Technological Solutions for Data Protection › 2.5 Integrate People, Processes, and Technology in Security Strategies › 2.6 Develop Action Plans for Enhancing Information Security • 3 Risk Assessment and Treatment: Identifying Threats to Rail Systems — 6 classes › 3.1 Define and Understand the Concept of Risk Assessment in Rail Systems › 3.2 Identify Potential Threats Specific to Rail Systems › 3.3 Analyze the Impact of Identified Threats on Rail Operations › 3.4 Evaluate Existing Controls and Their Effectiveness Against Threats › 3.5 Develop a Risk Treatment Plan for Mitigating Identified Risks › 3.6 Implement and Monitor Risk Treatment Strategies in Rail Systems • 4 Implementation of an Information Security Management System (ISMS): Best Practices — 6 classes › 4.1 Define the Scope of Your ISMS for Rail Systems › 4.2 Identify and Assess Information Security Risks in Rail Operations › 4.3 Develop Information Security Policies Tailored to Rail Systems › 4.4 Implement Security Controls Based on Risk Assessment › 4.5 Monitor and Review the Effectiveness of Your ISMS › 4.6 Conduct Training and Awareness Programs for Rail Staff on ISMS • 5 Continuous Improvement and Auditing: Ensuring Compliance and Adaptation — 6 classes › 5.1 Assess Current ISO 27001 Compliance Levels in Rail Systems › 5.2 Identify Key Areas for Continuous Improvement in Information Security › 5.3 Develop Action Plans for Addressing Compliance Gaps › 5.4 Implement Effective Internal Auditing Techniques for Rail Systems › 5.5 Evaluate the Outcomes of Audits and Continuous Improvement Initiatives › 5.6 Foster a Culture of Continuous Improvement within Rail Information Security
3 Leading Security Initiatives 0 chapters45 marks	
4 Policy Design and Implementation 0 chapters65 marks	

• 1 Understanding Risk Management Principles in Rail Systems — 6 classes

- › 1.1 Identify Key Risks in Rail Systems
- › 1.2 Analyze Risk Factors Impacting Rail Operations
- › 1.3 Evaluate Risk Management Frameworks for Rail Systems
- › 1.4 Develop Risk Mitigation Strategies for Rail Safety
- › 1.5 Implement Monitoring Techniques for Risk Management
- › 1.6 Communicate Risk Management Outcomes to Stakeholders

• 2 Identifying and Assessing Risks in Rail Infrastructure — 6 classes

- › 2.1 Identify Key Risk Factors in Rail Infrastructure
- › 2.2 Analyze Historical Incident Data for Risk Patterns
- › 2.3 Assess Vulnerabilities in Current Rail Systems
- › 2.4 Evaluate the Impact of External Threats on Rail Safety
- › 2.5 Prioritize Risks Based on Severity and Likelihood
- › 2.6 Develop a Risk Assessment Report for Stakeholder Communication

• 3 Developing Risk Mitigation Strategies for Rail Systems — 6 classes

- › 3.1 Identify Key Risks in Rail Systems
- › 3.2 Analyze the Impact of Identified Risks
- › 3.3 Prioritize Risks Based on Severity and Likelihood
- › 3.4 Develop Mitigation Strategies for High-Priority Risks
- › 3.5 Implement Risk Mitigation Strategies in Rail Operations
- › 3.6 Review and Adjust Risk Mitigation Plans Regularly

• 4 Compliance and Best Practices in Rail Risk Management**• 5 Continuous Improvement and Risk Management in Rail Systems**