

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 21448 — Safety of the Intended Functionality SOTIF

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference TR-ROD-21448 • ISO Transport

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	TR-ROD-21448
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1	Best Practices in Safety Management	0 chapters	85 marks
2	Introduction to SOTIF	5 chapters · 30 classes	85 marks
1 Understanding the Principles of SOTIF in Road Transport — 6 classes 1.1 Define SOTIF and Its Relevance to Road Transport 1.2 Explore Key Principles of Safety of the Intended Functionality 1.3 Identify the Role of ISO 21448 in Road Safety 1.4 Analyze SOTIF Case Studies in Road Transport Applications 1.5 Evaluate Potential Risks and Challenges in Implementing SOTIF 1.6 Develop Strategies for Integrating SOTIF into Road Transport Systems 2 Identifying and Evaluating Potential Hazards in SOTIF — 6 classes 2.1 Define Safety of the Intended Functionality (SOTIF) Principles 2.2 Recognize Common Hazards in SOTIF Contexts 2.3 Analyze Real-World SOTIF Incident Case Studies 2.4 Utilize Hazard Identification Techniques in SOTIF 2.5 Assess Risk Levels Associated with Identified Hazards 2.6 Develop Mitigation Strategies for SOTIF Hazards 3 Frameworks for Implementing SOTIF Requirements — 6 classes 3.1 Define SOTIF and Its Importance in Safety Frameworks 3.2 Identify Key Components of SOTIF Requirements 3.3 Explore Major Frameworks for Implementing SOTIF 3.4 Analyze Case Studies of Successful SOTIF Implementation 3.5 Develop Best Practices for Complying with SOTIF Standards 3.6 Create an Action Plan for Integrating SOTIF in Your Organisation		4 Risk Management Strategies in SOTIF — 6 classes 4.1 Define Key Concepts of Risk Management in SOTIF 4.2 Identify Stakeholder Requirements and Expectations 4.3 Assess Potential Risks in Intended Functionality 4.4 Develop Mitigation Strategies for Identified Risks 4.5 Implement Monitoring Processes for Ongoing Risk Assessment 4.6 Evaluate the Effectiveness of Risk Management Strategies 5 Future Trends and Challenges in SOTIF Implementation — 6 classes 5.1 Identify Future Trends Impacting SOTIF Implementation 5.2 Analyze Key Challenges in Adopting SOTIF Standards 5.3 Explore Technological Innovations Shaping SOTIF Practices 5.4 Assess Regulatory Developments Affecting SOTIF Compliance 5.5 Evaluate Stakeholder Perspectives on SOTIF Integration 5.6 Develop Strategies for Overcoming SOTIF Implementation Barriers	
3	ISO 21448 Implementation Strategies	0 chapters	65 marks
4	Leadership in Safety Culture	0 chapters	45 marks

5

Risk Management Frameworks

5 chapters · 6 classes

85 marks

• 1 Understanding ISO 21448 and SOTIF Principles — 6 classes

- › 1.1 Define ISO 21448 and its Importance in Safety Protocols
- › 1.2 Explain the Core Concepts of Safety of the Intended Functionality (SOTIF)
- › 1.3 Identify Key Risk Management Frameworks Relevant to SOTIF
- › 1.4 Analyze Case Studies Highlighting SOTIF Implementation
- › 1.5 Assess the Impact of Non-Compliance with ISO 21448 Standards
- › 1.6 Develop a Basic Risk Management Plan Following SOTIF Guidelines

• 2 Identifying and Analyzing Hazards in Road Transport

• 3 Risk Assessment Techniques for SOTIF Compliance

• 4 Developing Mitigation Strategies for Identified Risks

• 5 Continuous Monitoring and Improvement in SOTIF Practices

6

Safety Auditing Techniques

0 chapters

65 marks