

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 2394 — General Principles on Reliability for Structures

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference BLD-STR-2394 • ISO Building & Construction

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AT A GLANCE

REFERENCE	BLD-STR-2394
AWARD	Certificate
ASSESSMENT	300 marks — 180 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

ISO BLD Foundation

7 chapters · 42 classes100 marks

• 4 Clause 4: Context of the Organisation — 6 classes

› Understanding the Organisation's Role in Structural Reliability

› Identifying Interested Parties in Structural Standards

› Defining the Scope of ISO 2394 Applications

› Establishing Management System Boundaries in Construction

› Assessing Stakeholder Impact on Structural Reliability

› Integrating Contextual Factors into Structural Management Systems

• 5 Clause 5: Leadership — 6 classes

› Understanding Leadership Commitment in ISO 2394 Standards

› Defining Policies for Reliability in Structural Leadership

› Roles and Responsibilities in Structural Reliability Leadership

› Establishing Authorities in ISO 2394 Framework

› Evaluating Leadership Impact on Structural Reliability

› Best Practices for Leadership in Reliability Management

• 6 Clause 6: Planning — 6 classes

› Identifying Risks and Opportunities in Structural Reliability

› Setting Objectives for Reliable Structures Planning

› Developing a Risk Management Framework for Structures

› Integrating Stakeholder Perspectives in Reliability Planning

› Implementing Action Plans for Structural Reliability Objectives

› Monitoring and Reviewing Reliability Plans for Structures

• 7 Clause 7: Support — 6 classes

› Understanding Resources for Structural Reliability in ISO 2394

› Competence Requirements for Personnel in Structural Support

› Importance of Awareness in Structure Reliability Practices

› Effective Communication Strategies for ISO 2394 Compliance

› Documented Information: Key to Supporting Structural Reliability

› Managing Resources for Compliance with ISO 2394 Standards

• 8 Clause 8: Operation — 6 classes

› Understanding Operational Planning in Structure Reliability

› Key Control Measures for Structural Operations

› Risk Management Strategies for Structural Operations

› Implementing ISO 2394 Operations in Real-World Scenarios

› Compliance and Documentation in Operational Control

› Monitoring and Evaluating Operational Performance in Structures

• 9 Clause 9: Performance Evaluation — 6 classes

› Monitoring Techniques for Structural Performance Evaluation in ISO 2394

› Measurement Standards for Reliable Structural Assessment in ISO 2394

› Analytical Methods for Evaluating Structure Reliability per ISO 2394

› Conducting Internal Audits for Structural Compliance with ISO 2394

› Management Review Processes for ISO 2394 Structure Reliability Evaluation

› Effective Reporting and Documentation in ISO 2394 Performance Evaluation

• 10 Clause 10: Improvement — 6 classes

› Understanding Nonconformity in Structural Reliability Standards

› Implementing Corrective Actions for Structural Nonconformities

› Strategies for Promoting Continual Improvement in Structures

› Evaluating the Impact of Nonconformity on Reliability

› Developing a Framework for Continuous Improvement Processes

› Case Studies on Nonconformity and Corrective Actions in Structures

• CH1 Understanding ISO 2394 and Its Applications — 6 classes

- › Overview of ISO 2394 and its Importance
- › Key Principles of Reliability for Structures
- › Understanding Structural Failures and Reliability
- › ISO 2394 Terminology and Definitions Explained
- › The Role of ISO in Construction Standards
- › Introduction to Reliability-Based Design Concepts

• CH2 Conducting a Gap Analysis for ISO Implementation — 6 classes

- › Identifying Current Practices Against ISO Standards
- › Tools and Techniques for Gap Analysis
- › Prioritising Areas for Improvement in Structures
- › Engaging Stakeholders in the Gap Analysis Process
- › Documenting Findings and Recommendations
- › Developing an Action Plan Based on the Analysis

• CH3 Project Planning for ISO Implementation — 6 classes

- › Creating a Project Charter for ISO 2394 Implementation
- › Developing a Timeline for Implementation Activities
- › Resource Allocation and Budgeting Considerations
- › Risk Management in ISO Implementation Projects
- › Balancing Compliance with Business Objectives
- › Setting Milestones and Key Performance Indicators

• CH4 Stakeholder Management and Communication Strategy — 6 classes

- › Identifying Key Stakeholders in ISO Implementation
- › Developing a Communication Plan for ISO 2394
- › Engaging Stakeholders Throughout the Process
- › Training and Awareness for Employees on ISO Standards
- › Change Management Strategies for Successful Implementation
- › Building Consensus Among Diverse Stakeholder Groups

• CH5 Establishing Audit and Review Mechanisms — 6 classes

- › Internal Audit Methodologies for ISO Compliance
- › Preparing for Certification Audits in ISO 2394
- › Conducting Effective Management Reviews
- › Identifying Non-Conformities and Improvement Opportunities
- › Document Control and Record Keeping Requirements
- › Ensuring Continuous Improvement Post-Certification

• CH1 Introduction to ISO 2394 and Its Importance — 6 classes

- › Overview of ISO 2394 Standards
- › Understanding Reliability in Structures
- › ISO 2394 and Its Applications
- › International Compliance and Standards
- › Role of ISO in Building Construction
- › Benefits of ISO Certification for Consultants

• CH2 LAPT Skills in the Context of ISO Standards — 6 classes

- › Identifying Key LAPT Skills for ISO 2394
- › Integrating ISO Skills into Consulting Practices
- › Industry-Specific Applications of ISO Skills
- › Skill Assessment and Development Strategies
- › Bridging LAPT Certifications with ISO Standards
- › Case Studies: Successful ISO Skill Integration

• CH3 Establishing Your Consulting Brand — 6 classes

- › Creating a Unique Value Proposition
- › Branding Strategies for ISO Consultants
- › Building Trust and Credibility
- › Digital Presence and Marketing for Consultants
- › Networking and Relationship Building
- › Leveraging Success Stories for Branding

• CH4 Client Advisory Services in Building Structures — 6 classes

- › Understanding Client Needs and Expectations
- › Delivering Effective Advisory Services
- › Risk Management and ISO 2394 Compliance
- › Communicating ISO Benefits to Clients
- › Tailoring Solutions for Diverse Client Profiles
- › Measuring Client Satisfaction and Feedback

• CH5 Developing a Successful Consulting Practice — 6 classes

- › Creating a Business Plan for Consulting
- › Operational Framework for a Consulting Firm
- › Financial Management and Pricing Strategies
- › ISO + Industry Integration Strategies
- › Sustainability and Growth in Consulting
- › Future Trends in Consulting Practices