

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 13823 — General Principles on Design of Structures for Durability

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 BLD-CMT-13823 • ISO Building & Construction

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	BLD-CMT-13823
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 Durability

› Identifying Interested Parties in Durability Design

› Defining the Scope of ISO 13823 Applications

› Establishing Management System Boundaries for Durability

› Assessing External Factors Impacting Structural Durability

› Integrating Stakeholder Needs into Design for Durability

• 5 Clause 5: Leadership — 6 classes

› Understanding Leadership Commitment in Durability Design

› Establishing Effective Policies for Structural Durability

› Defining Roles in ISO 13823 Leadership Framework

› Clarifying Responsibilities within Durability Design Teams

› Authority in Decision-Making for Durable Structures

› Building a Culture of Leadership in ISO 13823

• 6 Clause 6: Planning — 6 classes

› Identifying Risks in Structural Durability Planning

› Opportunities for Enhancing Durability in Structures

› Setting Objectives for Durable Structural Design

› Creating a Comprehensive Planning Framework

› Integrating Risk Management in Structural Design

› Reviewing Planning Strategies for Sustainable Durability

• 7 Clause 7: Support — 6 classes

› Understanding Resources for Structural Durability in ISO 13823

› Competence Requirements for Designing Durable Structures

› Importance of Awareness in Structural Durability Practices

› Effective Communication in Compliance with ISO 13823

› Documented Information Necessities for Structural Support

› Best Practices for Maintaining Compliance with ISO 13823

• 8 Clause 8: Operation — 6 classes

› Understanding Operational Planning in ISO 13823

› Implementing Control Measures for Durability

› Risk Management in Structural Operations

› Monitoring Performance Under ISO 13823 Guidelines

› Establishing Maintenance Protocols for Longevity

› Documentation Requirements for Operational Compliance

• 9 Clause 9: Performance Evaluation — 6 classes

› Monitoring Methods for Durability in Structural Design

› Measurement Techniques for Evaluating Structural Performance

› Data Analysis for Durability Assessment in ISO 13823

› Conducting Internal Audits for Structural Durability Compliance

› Management Review Processes in Structural Design Evaluation

› Improving Durability Through Performance Evaluation Strategies

• 10 Clause 10: Improvement — 6 classes

› Identifying Nonconformities in Structural Durability Design

› Implementing Corrective Actions for Design Nonconformities

› Monitoring Effectiveness of Corrective Actions in ISO 13823

› Strategies for Continual Improvement in Structural Design

› Establishing a Feedback Loop for Design Durability Enhancement

› Documentation Practices for Nonconformity and Corrective Actions

• **CH1 Understanding ISO 13823 Principles and Requirements** — 6 classes

- › Overview of ISO 13823 and its Importance
- › Key Requirements of ISO 13823 for Structures
- › Principles of Durability in Structural Design
- › Understanding the Scope of ISO 13823
- › Impact of ISO 13823 on Project Lifecycle
- › Case Studies on Successful ISO 13823 Implementations

• **CH2 Conducting a Gap Analysis for ISO 13823** — 6 classes

- › Defining Objectives for the Gap Analysis
- › Identifying Current Practices and Standards
- › Assessing Compliance with ISO 13823 Requirements
- › Tools and Techniques for Effective Gap Analysis
- › Documenting Findings and Recommendations
- › Developing Action Plans to Address Gaps

• **CH3 Effective Project Planning for ISO Implementation** — 6 classes

- › Creating a Project Plan for ISO 13823
- › Setting Timelines and Milestones for Implementation
- › Resource Allocation for ISO Implementation Projects
- › Risk Management Strategies for Project Planning
- › Communication Plans for Stakeholder Engagement
- › Monitoring Progress and Adjusting the Project Plan

• **CH4 Stakeholder Management in ISO 13823 Implementation** — 6 classes

- › Identifying Key Stakeholders and Their Interests
- › Engaging Stakeholders in the Implementation Process
- › Strategies for Effective Stakeholder Communication
- › Building Consensus Around ISO Objectives
- › Managing Stakeholder Expectations during Implementation
- › Feedback Mechanisms for Continuous Improvement

• **CH5 Internal Auditing and Certification Readiness** — 6 classes

- › Developing an Internal Audit Framework for ISO 13823
- › Conducting Effective Internal Audits for Compliance
- › Common Non-Conformities and How to Address Them
- › Preparing for ISO Certification Audits
- › Management Review Processes for Continuous Improvement
- › Ensuring Long-Term Compliance and Sustainability

• **CH1 Positioning ISO Skills in Construction Materials** — 6 classes

- › Understanding ISO 13823 Overview
- › Identifying Key Skills for ISO Compliance
- › Market Needs for ISO Knowledge
- › Integrating ISO Standards with Industry Demands
- › Competitor Analysis in Construction Sector
- › Creating a Value Proposition with ISO Skills

• **CH2 Consultant Branding and Market Positioning** — 6 classes

- › Building Your Personal Brand as an ISO Consultant
- › Developing a Unique Selling Proposition
- › Effective Communication Strategies for Consultants
- › Leveraging Social Media for Brand Awareness
- › Networking Techniques in Construction Industry
- › Showcasing Expertise through Case Studies

• **CH3 Leveraging the LAPT Partner Framework** — 6 classes

- › Understanding the LAPT Partner Framework
- › Collaborating with Industry Partners
- › Building Strategic Alliances in Consulting
- › Maximizing Resource Sharing
- › Joint Marketing Strategies for Consultants
- › Assessing Partner Performance and Benefits

• **CH4 Delivering Client Advisory Services Effectively** — 6 classes

- › Conducting Client Needs Assessments
- › Developing Client-Focused Solutions
- › Best Practices for Client Engagement
- › Managing Client Expectations
- › Post-Consultation Follow-Up Strategies
- › Gathering Feedback for Continuous Improvement

• **CH5 Integrating ISO Standards with Industry Practices** — 6 classes

- › Aligning ISO Standards with Industry Regulations
- › Promoting ISO Compliance among Stakeholders
- › Training Teams on ISO 13823 Principles
- › Implementing ISO Standards in Projects
- › Monitoring and Evaluating ISO Compliance
- › Innovating Practices for Enhanced Durability