

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 4355 — Bases for Design Determination of Snow Loads on Roofs

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-STR-4355 • ISO Building & Construction

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	BLD-STR-4355
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 classes 100 marks	• 4 Clause 4: Context of the Organisation — 6 classes › Understanding Organisation Context in Snow Load Design › Identifying Interested Parties for Snow Load Standards › Defining the Scope of ISO 4355 Applications › Establishing Management System Boundaries for Snow Load › Interaction between Organisation and Snow Load Regulations › Assessing External Factors Impacting Snow Load Design • 5 Clause 5: Leadership — 6 classes › Understanding Leadership Commitment in Snow Load Design › Establishing Policies for Snow Load Considerations › Defining Roles within Snow Load Management › Assigning Responsibilities for Roof Snow Load Assessment › Clarifying Authorities in Snow Load Design Processes › Building a Culture of Leadership in ISO 4355 Compliance • 6 Clause 6: Planning — 6 classes › Identifying Risks in Snow Load Design Planning › Opportunities for Efficient Snow Load Management › Setting Objectives for Roof Load Safety › Strategies for Effective Snow Load Risk Mitigation › Assessing Environmental Factors in Snow Load Planning › Monitoring and Reviewing Snow Load Design Objectives • 7 Clause 7: Support — 6 classes › Understanding Resources for Snow Load Support in ISO 4355 › Competence Requirements for Roof Support Design in ISO 4355 › Raising Awareness of Snow Load Impacts on Roofs › Effective Communication Strategies for Support Documentation in ISO 4355 › Documented Information Essentials for Snow Load Support Compliance › Ensuring Resource Availability for ISO 4355 Support Standards	• 8 Clause 8: Operation — 6 classes › Operational Planning for Snow Load Management in Roof Design › Implementing Control Measures for Snow Loads on Roofs › Best Practices for Monitoring Snow Load Conditions › Developing Emergency Procedures for Snow Load Events › Documenting Operational Procedures in Compliance with ISO 4355 › Training Personnel for Effective Snow Load Management • 9 Clause 9: Performance Evaluation — 6 classes › Monitoring Techniques for Snow Load Effects on Roofs › Measurement Standards for Evaluating Roof Snow Loads › Analysis Methods for Snow Load Performance in Buildings › Conducting Internal Audits for ISO 4355 Compliance › Management Review Processes for Snow Load Evaluation › Data Analysis for Roof Snow Load Performance Assessment • 10 Clause 10: Improvement — 6 classes › Identifying Nonconformities in Snow Load Design Standards › Implementing Corrective Actions for Snow Load Compliance › Continuous Improvement in Snow Load Design Practices › Documentation Requirements for Nonconformities in Snow Load Standards › Monitoring Effectiveness of Corrective Actions in Roof Design › Enhancing Design Processes through Ongoing Improvement in ISO 4355
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• CH1 Understanding ISO 4355 and Its Importance — 6 classes

- › Overview of ISO 4355 Standards and Objectives
- › Key Principles Behind Snow Load Calculations
- › Industry Applications and Benefits of ISO 4355
- › Understanding Snow Load Influences and Variables
- › Regulatory Framework Surrounding Snow Load Design
- › Differences Between ISO 4355 and Other Standards

• CH2 Conducting a Gap Analysis for ISO 4355 Implementation — 6 classes

- › Identifying Current Practices in Snow Load Design
- › Establishing Benchmarking Against ISO 4355 Requirements
- › Tools for Effective Gap Analysis
- › Assessing Organisational Readiness for Compliance
- › Prioritising Gaps and Developing Action Plans
- › Integrating Stakeholder Feedback in Gap Analysis

• CH3 Project Planning for ISO 4355 Implementation — 6 classes

- › Defining Project Scope and Objectives for ISO 4355
- › Creating a Detailed Project Timeline and Milestones
- › Resource Allocation for Implementation Success
- › Risk Assessment and Mitigation Strategies
- › Engagement Strategies for Key Stakeholders
- › Monitoring Progress and Adjusting Plans as Needed

• CH4 Documentation Practices for ISO 4355 Compliance — 6 classes

- › Developing Essential Documentation for ISO 4355
- › Best Practices for Record-Keeping and Reporting
- › Creating a Snow Load Calculation Manual
- › Standard Operating Procedures and Guidelines
- › Document Control and Version Management
- › Ensuring Accessibility and Clarity of Documentation

• CH5 Internal Audits and Certification Readiness Strategies — 6 classes

- › Internal Audit Framework for ISO 4355 Compliance
- › Conducting Effective Internal Audits and Reviews
- › Preparing for External Certification Audits
- › Addressing Non-Conformities and Corrective Actions
- › Management Review Meetings for Continuous Improvement
- › Maintaining Compliance Post-Certification

• CH1 Integrating ISO Standards and Industry Practices — 6 classes

- › Overview of ISO 4355 and Its Relevance
- › Positioning ISO in the Construction Sector
- › Benefits of ISO Compliance for Industry Stakeholders
- › Challenges in Implementing ISO Standards
- › Case Studies: Successful ISO Integration
- › Future Trends in Building and Construction Standards

• CH2 Skill Development for LAPT Certification — 6 classes

- › Understanding LAPT Certifications in Context
- › Mapping ISO Skills to LAPT Competencies
- › Developing Effective Training Modules
- › Assessing Candidate Competence in ISO Standards
- › Maintaining Certification and Continuing Education
- › Best Practices for Skill Development in Consulting

• CH3 Building a Strong Consultant Brand — 6 classes

- › Creating a Unique Value Proposition
- › Effective Branding Strategies for Consultants
- › Marketing ISO Expertise to Potential Clients
- › Networking in the Building and Construction Sector
- › Leveraging Social Media for Brand Growth
- › Establishing Credibility and Trust with Clients

• CH4 Client Advisory Services and Best Practices — 6 classes

- › Understanding Client Needs and Expectations
- › Advisory Techniques for Effective Client Engagement
- › Delivering Value Through ISO Consultations
- › Creating Tailored Solutions for Diverse Clients
- › Managing Client Relationships Post-Consultation
- › Measuring the Impact of Advisory Services

• CH5 Consulting Practice in the Building Sector — 6 classes

- › Establishing Your Consulting Practice
- › Navigating Legal and Regulatory Considerations
- › ISO + Industry: Building Synergies
- › Ensuring Quality Management in Consulting Projects
- › Scaling Your Consulting Practice for Growth
- › Evaluating Success: Metrics and KPIs in Consulting