

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 19650-1 — BIM Concepts and Principles

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference BLD-BIM-19650-1 • ISO Building & Construction

UKPRN 10067351 • Registered in England and Wales, company 4984798

3

SUBJECTS

17

CHAPTERS

102

CLASSES

300

TOTAL MARKS

60%

PASS MARK

Lifetime

VALIDITY

AT A GLANCE

REFERENCE	BLD-BIM-19650-1
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 the Organisation in ISO 19650-1 Context
- › Identifying Interested Parties for BIM Project Success
- › Defining Scope within ISO 19650-1 Framework
- › Establishing Management System Boundaries in BIM
- › Assessing Stakeholder Needs in BIM Context
- › Integrating Organisational Context into BIM Processes

• 5 Clause 5: Leadership — 6 classes

- › Understanding Leadership Commitment in ISO 19650-1 Framework
- › Defining Leadership Roles in BIM Processes
- › Establishing Policies for Effective BIM Leadership
- › Clarifying Responsibilities in Leadership for ISO 19650-1
- › Authority Structures within BIM Leadership Practices
- › Evaluating Leadership Effectiveness in BIM Project Delivery

• 6 Clause 6: Planning — 6 classes

- › Identifying Risks and Opportunities in BIM Projects
- › Setting Objectives for Effective BIM Planning
- › Developing a Risk Management Strategy in BIM
- › Creating Action Plans for BIM Implementation
- › Monitoring and Evaluating BIM Planning Outcomes
- › Aligning BIM Planning with Project Objectives and Stakeholders

• 7 Clause 7: Support — 6 classes

- › Establishing Resources for ISO 19650-1 Compliance
- › Developing Competence in BIM Concepts and Principles
- › Enhancing Awareness of ISO 19650-1 Requirements
- › Effective Communication Strategies for BIM Support
- › Documenting Information in Accordance with ISO 19650-1
- › Integrating Support Mechanisms within BIM Projects

• 8 Clause 8: Operation — 6 classes

- › Understanding Operational Planning in ISO 19650-1
- › Implementing Control Measures for BIM Operations
- › Developing Effective Operational Strategies under ISO 19650-1
- › Monitoring and Reviewing BIM Operational Processes
- › ISO 19650-1 Compliance in Operational Management
- › Integrating BIM Operations with Project Lifecycle Management

• 9 Clause 9: Performance Evaluation — 6 classes

- › Monitoring Performance in BIM Projects under ISO 19650-1
- › Measurement Techniques for BIM Evaluation in ISO 19650-1
- › Analysing BIM Performance Metrics in ISO 19650-1
- › Conducting Effective Internal Audits for ISO 19650-1
- › Evaluating BIM Performance: Best Practices for ISO 19650-1
- › Management Review Processes in BIM according to ISO 19650-1

• 10 Clause 10: Improvement — 6 classes

- › Understanding Nonconformity in ISO 19650-1 Framework
- › Identifying Corrective Actions within BIM Processes
- › The Role of Continual Improvement in BIM Management
- › Developing a Nonconformity Reporting System in ISO 19650-1
- › Strategies for Effective Corrective Action Implementation
- › Measuring Success: Assessing Continual Improvement in BIM

• **CH1 Understanding ISO 19650-1 Framework and Principles** — 6 classes

- › Introduction to ISO 19650-1 and BIM Fundamentals
- › Key Concepts of BIM in Building Projects
- › Principles of Collaboration and Information Management
- › Roles and Responsibilities in ISO 19650-1
- › Benefits of Adopting ISO 19650-1 in Organisations
- › Case Studies of Successful ISO 19650-1 Implementations

• **CH2 Conducting Gap Analysis for ISO Compliance** — 6 classes

- › Establishing Current State Assessment Methodologies
- › Identifying Gaps between Current Practices and ISO 19650-1
- › Utilising SWOT Analysis for Compliance Gaps
- › Developing a Gap Analysis Report and Recommendations
- › Prioritising Gaps Based on Business Objectives
- › Preparing for Next Steps After Gap Analysis

• **CH3 Project Planning for ISO 19650-1 Implementation** — 6 classes

- › Developing a Comprehensive Implementation Plan
- › Setting SMART Goals for ISO 19650-1 Adoption
- › Resource Allocation and Budgeting for Implementation
- › Creating a Timeline with Milestones for ISO Compliance
- › Engaging Stakeholders in the Planning Process
- › Risk Management Strategies for Implementation Projects

• **CH4 Stakeholder Management and Communication Strategies** — 6 classes

- › Identifying Key Stakeholders in BIM Projects
- › Stakeholder Roles and Responsibilities in ISO 19650-1
- › Effective Communication Techniques for Stakeholder Engagement
- › Building Consensus and Buy-in for Implementation
- › Managing Stakeholder Expectations throughout the Process
- › Creating a Stakeholder Management Plan for Success

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

- › Understanding Internal Audit Methodology for Compliance
- › Preparing for an Internal Audit According to ISO 19650-1
- › Developing Audit Checklists and Tools for ISO Standards
- › Conducting Effective Internal Audits and Reporting Findings
- › Management Review Processes for Continuous Improvement
- › Preparing for External Certification Audits Successfully

• **CH1 Introduction to ISO 19650-1 and BIM** — 6 classes

- › Understanding ISO 19650-1 Framework
- › BIM Fundamentals and Principles
- › Significance of Standardization in BIM
- › Overview of Building and Construction Sector
- › ISO 19650-1: Key Terms and Definitions
- › Aligning BIM Concepts with Industry Standards

• **CH2 Positioning ISO Skills in Industry Sectors** — 6 classes

- › Mapping ISO Skills to Industry Needs
- › Identifying Key Sectors for ISO 19650-1
- › Competency Analysis for BIM Professionals
- › Strategic Skill Development in BIM
- › Market Trends in BIM and ISO Integration
- › Enhancing Employer Engagement with ISO Skills

• **CH3 Building Your Consultant Brand** — 6 classes

- › Essentials of Consultant Branding
- › Creating a Value Proposition in BIM
- › Marketing Strategies for BIM Consultants
- › Building a Professional Network in the Sector
- › Leveraging Social Media for Brand Visibility
- › Client Relations: Establishing Trust and Credibility

• **CH4 Advisory Services in the BIM Landscape** — 6 classes

- › Framework for Client Advisory in BIM
- › Conducting Effective Needs Assessments
- › Delivering Value through Advisory Services
- › Navigating Client Expectations in BIM Projects
- › Developing Strategic Partnerships with Clients
- › Case Studies: Successful Advisory Exchanges

• **CH5 Establishing a Sustainable Consulting Practice** — 6 classes

- › Fundamentals of Starting a Consulting Business
- › Understanding the LAPT Partner Framework
- › Financial Management for BIM Consultants
- › Creating a Business Development Strategy
- › Client Retention Strategies in Consulting
- › Future-Proofing Your Consulting Practice