

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 16739 — Industry Foundation Classes IFC for Data Sharing

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference BLD-BIM-16739 • ISO Building & Construction

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	BLD-BIM-16739
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 Role of Organisations in IFC Standards

› Identifying Interested Parties in Data Sharing Context

› Defining the Scope of IFC Management Systems

› Establishing Boundaries for Effective IFC Implementation

› Assessing the Impact of Stakeholders on IFC Processes

› Aligning Organisational Objectives with IFC Requirements

• 5 Clause 5: Leadership — 6 classes

› Understanding Leadership Commitment in IFC Data Sharing

› Establishing Policies for IFC Compliance and Implementation

› Defining Roles in IFC Data Management

› Responsibilities of Leaders in BIM Collaboration

› Authorities and Accountability in IFC Governance

› Fostering a Culture of Leadership in Data Sharing

• 6 Clause 6: Planning — 6 classes

› Understanding Risks and Opportunities in IFC for Data Sharing

› Setting Objectives Aligned with IFC Planning Principles

› Developing a Risk Management Strategy using ISO 16739

› Integrating Opportunities into IFC Project Planning

› Creating Measurable Objectives for IFC Implementation

› Continuous Improvement in IFC Planning Processes

• 7 Clause 7: Support — 6 classes

› Understanding Resources for IFC Data Sharing

› Building Competence in Industry Foundation Classes

› Raising Awareness of IFC Communication Needs

› Effective Communication Strategies in ISO 16739

› Documented Information Requirements for IFC Compliance

› Integrating Support Mechanisms for IFC Implementation

• 8 Clause 8: Operation — 6 classes

› Operational Planning in IFC Frameworks for Data Sharing

› Control Measures for Effective IFC Project Management

› Implementing Operational Strategies in IFC Environments

› Standard-Specific Requirements for IFC Operational Control

› Optimising Data Sharing Through IFC Operational Planning

› Best Practices for Operations within ISO 16739 Standards

• 9 Clause 9: Performance Evaluation — 6 classes

› Monitoring Performance in IFC Data Sharing Systems

› Measuring Effectiveness of IFC Implementation Strategies

› Analysing Data Quality in Industry Foundation Classes

› Evaluating Compliance with ISO 16739 Standards

› Conducting Internal Audits for Effective Data Management

› Management Review Processes for IFC Performance Improvement

• 10 Clause 10: Improvement — 6 classes

› Understanding Nonconformity in IFC Data Sharing

› Developing Effective Corrective Actions in IFC Framework

› Implementing Continual Improvement in IFC Processes

› Assessing Nonconformities in Industry Foundation Classes

› Strategies for Corrective Action in ISO 16739 Compliance

› Measuring Success in Continual Improvement for IFC Standards

• CH1 Understanding ISO 16739 and Its Importance — 6 classes

- › Introduction to ISO 16739 and IFC Standards
- › Significance of Data Sharing in Construction
- › Key Components of Industry Foundation Classes
- › Overview of BIM and Its Role in IFC
- › ISO 16739 Compliance: Benefits and Challenges
- › Case Studies Highlighting Successful Implementation

• CH2 Conducting Gap Analysis for Implementation — 6 classes

- › Identifying Current BIM Practices within the Organisation
- › Assessing Compliance with ISO 16739 Requirements
- › Tools and Techniques for Effective Gap Analysis
- › Documenting Findings and Recommendations
- › Prioritising Gaps for Actionable Outcomes
- › Engaging Stakeholders in the Gap Analysis Process

• CH3 Developing a Robust Project Implementation Plan — 6 classes

- › Key Elements of a Project Implementation Plan
- › Defining Clear Objectives and Milestones
- › Establishing Roles and Responsibilities
- › Resource Allocation and Budgeting for IFC Projects
- › Risk Management Strategies for Implementation
- › Creating a Timeline for Implementation Activities

• CH4 Effective Stakeholder Management Strategies — 6 classes

- › Identifying Key Stakeholders in IFC Implementation
- › Building Relationships and Engagement Techniques
- › Facilitating Communication Across Teams
- › Addressing Stakeholder Concerns and Expectations
- › Collaboration Strategies for Successful Data Sharing
- › Measuring Stakeholder Satisfaction and Feedback

• CH5 Ensuring Certification Readiness and Internal Audits — 6 classes

- › Preparing Documentation for ISO Certification
- › Internal Audit Methodology for ISO 16739
- › Conducting Effective Internal Audits
- › Management Review: Importance and Best Practices
- › Addressing Non-Conformities and Improvement Plans
- › Final Preparations for Certification Audit

• CH1 ISO 16739 Overview and Industry Importance — 6 classes

- › Introduction to ISO 16739 and IFC
- › The Role of IFC in Data Sharing
- › Understanding BIM and its Benefits
- › ISO 16739 in Building & Construction
- › Case Studies of IFC Integration
- › Future Trends in BIM and ISO Standards

• CH2 Positioning ISO Skills in Industry Sectors — 6 classes

- › Identifying Key Industry Sectors for ISO 16739
- › Mapping Skills to Industry Demands
- › Assessing Current Market Needs
- › Developing Targeted Skillsets
- › Aligning ISO Skills with Client Needs
- › Building a Sector-specific Skill Portfolio

• CH3 Consultant Branding and Market Presence — 6 classes

- › Crafting Your Consultant Brand
- › Building Credibility in the BIM Sector
- › Effective Marketing Strategies for Consultants
- › Networking and Building Relationships
- › Utilizing Social Media for Branding
- › Creating a Compelling Value Proposition

• CH4 Client Advisory Services in BIM Context — 6 classes

- › Understanding Client Needs and Expectations
- › Defining Advisory Roles in BIM Projects
- › Delivering Effective Consultative Solutions
- › Navigating Client Relationships and Feedback
- › Ethics and Best Practices in Consulting
- › Evaluating the Impact of Advisory Services

• CH5 Building a Sustainable Consulting Practice — 6 classes

- › Establishing a Consulting Business Model
- › Financial Planning for Consultants
- › Engaging with the LAPT Partner Framework
- › ISO and Industry Integration Strategies
- › Scaling Your Consulting Practice
- › Long-term Success and Client Retention