



Building Information Modelling (BIM)



WE
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IN TRUST

ISO 19650 Syllabus

AWARENESS

ISO 19650

TRAINING

GENERAL INFORMATION



This course provides an essential overview of information management using BIM following the new international standard (ISO 19650 parts 1 and 2). When completed, you will be ready to implement information management process within your own organization.

This course has been developed by experienced BIM experts with extensive working knowledge of ISO 19650 and the previous BS and PAS 1192 standards.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

1. Fluency in international terms and definitions in relation to BIM
2. Understand the principle and key elements of ISO 19650
3. Understand the high-level concepts of the ISO 19650 standards including legal, security and health and safety requirements
4. Identifying the key stakeholders and parties involved



WHO SHOULD ATTEND

- Universities
- Local authorities
- Central government
- Architects
- Engineers
- Designers
- Constructors
- Project and asset managers
- Information managers
- BIM Manager and Coordinators
- Maintenance contractors



PROVIDED MATERIALS

- The training module and case studies
- Certificate of Attendance

1 day

AWARENESS
ISO 19650
TRAINING

Training Agenda

Day 1

Topic

A Catalyst for Change

- BIM Defined
- Global Drivers
- A History of BIM
- The Effect of Poor Information
- Making Change Happen
- Construction 4.0

BIM Explained

- BIM Terminology & Acronyms
- BIM Dimensions
- UK BIM Maturity
- Global BIM Adoption

BIM According to ISO 19650

- ISO 19650 Overview
- Concepts & Principles
- ISO part 3
- ISO part 4
- ISO part 5

Assessment & Need

- Undertake the IM Function
- Establish the PIR
- Establish information delivery milestones
- Establish the PIS (Incorporate previous section 8)
- Establish Project's Information Production Methods & Procedures
- Establish Shared Resources, CDE & PIP

Invitation to Tender

- Establish EIR
- Assemble reference information and shared resources
- Establish tender response requirements and evaluation criteria

1 day

AWARENESS
ISO 19650
TRAINING

Training Agenda

Topic

Tender Response

- Nominate IM Function
- Establish Pre BEP
- Assess & establish the delivery team's mobilization plan
- Establish the delivery team's risk register

Appointment

- Confirm the Post BEP
- Establish the Detailed Responsibility Matrix
- Establish the LAP EIR
- Establish the TIDP's
- Establish the MIDP's
- Complete Appointment Documents

Mobilization

- Mobilize Resources & IT
- Test Methods & Procedures

Collaborative Production

- Generate Information
- Undertake QA Checks

Information Model Delivery

- Submit, Review & Approve for Sharing
- Submit, Review & Accept

Project Close Out

- Archive the PIM
- Capture Lessons Learnt

BIM Certification

- BRE BIM Individual Certification
- BRE Business Certification
- BIM Case Studies

IMPLEMENTATION

ISO 19650

TRAINING

GENERAL INFORMATION



Implementation training is a two-day course that will help you learn to assess the effectiveness of ISO 19650 implementation in your organization. It provides a practical approach to better information management for professionals who undertake Information Management function in accordance with ISO 19650-2. These can either be for or by an Appointing Party, Lead Appointed Party or Task Teams.

This course will ensure that on completion you're equipped and ready to realize the benefits of Information Management using BIM within your own organization and to develop your career.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

By attending the course, candidates are expected to be able to:

1. Understand the information management function and the associated tasks for each party
2. Recognize how to delegate the information management function
3. Recognize the need for SMART information requirements
4. Define exchange information requirements
5. Identify the key references to support the production of the EIR
6. Apply the process of extracting project information standards and projects information methods and procedures
7. Identify the methods of assessing the supply chain
8. Recognize the key considerations when assessing the supply chain
9. Define a Pre-Appointment BIM Execution Plan (BEP) and Post Appointment BIM Execution Plan (BEP)
10. Explain key elements of a BEP
11. Apply the process of authoring BEP
12. Appreciate how information can change to suit its intended purpose
13. Describe the key considerations when approving information
14. Identify the key tasks associated with Information Exchanges
15. Recognize the key considerations when exchanging and accepting information
16. Understand the implementation of 8 (*eight) Information Management Activities during delivery and operational phase



WHO SHOULD ATTEND

- Architects
- Engineers
- Designers
- Constructors
- Project and Asset managers
- Information managers
- BIM Managers and Coordinators
- Maintenance contractors



PROVIDED MATERIALS

- The training module and case studies
- Examination
- Certificate of Attendance and Certificate of Success

2 days

IMPLEMENTATION
ISO 19650
TRAINING

Training Agenda

Topic

Day 1

Operational Phase of the assets Information Management Function

- Information Management Mandate
- About the Information Management Function
- Defining & delegating the information management function

Information Requirements

- Clear Information Requirements
- Exchange Information Requirements

BIM Execution Planning

- Pre-Appointment BEP
- Confirm the Delivery Team BEP
- Assessing the Supply Chain

Day 2

Production of Information

- Information Exchange
- Review information model
- Information management process

Final Examination

CERTIFIED INTERNAL AUDITOR ISO 19650 TRAINING

GENERAL INFORMATION



This 2-day course develops competency to perform internal audits on ISO 19650-based BIM information management systems using ISO 19011 auditing principles. The course covers audit planning, execution, reporting, nonconformity evaluation, and corrective action practices, with a focus on infrastructure design–construction–handover environments.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

By attending the course, candidates are expected to be able to:

1. Understand internal audit principles and auditor behavior based on ISO 19011.
2. Interpret ISO 19650 implementation criteria for audit purposes.
3. Review documents and digital evidence (EIR, BEP, TIDP/MIDP, CDE records).
4. Conduct interviews and collect objective evidence from BIM workflows.
5. Identify, classify, and report nonconformities.
6. Prepare audit reports and follow-up recommendations.

Successful participants will qualify as ISO 19650 Internal Auditors (competence-based)



WHO SHOULD ATTEND

- Internal Auditors & Compliance Officers
- BIM Managers & BIM Coordinators
- Information Managers / Document Controllers
- QA/QC Engineers & Project Controls Personnel
- Construction / Engineering Managers
- Asset & Facility Information Managers
- Digital Governance & Risk Management Teams



PROVIDED MATERIALS

- Training slide (PDF)
- ISO 19650 audit checklist
- Nonconformity reporting worksheet
- Written exam
- Certificate of Successful for successful participants

2 days

CERTIFIED INTERNAL AUDITOR
ISO 19650
TRAINING

Training Agenda

Topic

Day 1

Audit Fundamentals & ISO 19650 Criteria

- Principles & types of audits (ISO 19011)
- Auditor competence, ethics & behavior
- Audit lifecycle overview
- Sources of objective evidence in BIM environments
- ISO 19650 documentation & digital evidence mapping
- Workshop 1: Developing audit criteria & planning audit scope

Day 2

Audit Execution, Reporting & Certification Assessment

- Planning & conducting opening meetings
- Interview techniques for technical environments
- Evidence collection, sampling & traceability
- Writing nonconformities, observations & OFIs
- Corrective actions & follow-up
- Workshop 2: Audit simulation + reporting exercise
- Final Assessment: Written Exam + Practical Audit Simulation
- Feedback, closing session, certification awarding

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