

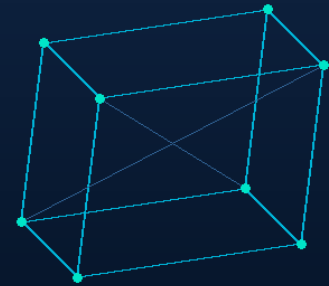
PRO · LOCKED

BIM & DIGITAL CONSTRUCTION

ISO 19650 Series — The International BIM Framework

ISO 19650 Series — the international BIM framework.

L02 ISO 19650 Series



NOVTRIQ Academy · BIM & Digital Construction

NOVTRIQ Academy · **BIM & Digital Construction** Lesson 2 of 8

ISO 19650 is the international BIM information management standard. Multi-part: -1 concepts, -2 delivery, -3 operational, -5 security. Replaced UK PAS 1192 series.

This lesson covers the structure and operational application.

Learning objectives

Remember	Key concepts.
Understand	How it works.
Understand	Standards.
Apply	Apply to projects.

1 • Multi-part structure

ISO 19650-1: concepts and principles. -2: delivery phase (design + construction). -3: operational phase (asset management, maintenance). -5: security-minded approach. Each part progressively elaborates lifecycle stages.

2 • Information requirements

OIR (organisation), AIR (asset), PIR (project), EIR (employer's exchange information requirements). Define what information is needed, when, and to what quality.

3 • Delivery process

Tender → invitation → award → mobilisation → information delivery → review → archiving. Each stage with defined deliverables, formats, validation. Protocol-driven not ad-hoc.

4 • Information state and approval

WIP (Work In Progress) → Shared (multi-discipline review) → Published (formally issued) → Archived. Each state has access controls and approval workflow.

5 • What this looks like on a real project

UK ISO 19650 supersedes PAS 1192

UK migrated from PAS 1192 to BS EN ISO 19650 from 2019. Government mandate now references ISO. Industry has converged.

EU National annexes

Each EU member state can publish national annex. Differences in document conventions, authority procedures, language but core process aligned.

UAE Dubai Municipality alignment

Dubai BIM Level 2 mandate aligned to ISO 19650 framework for compliance documentation.

6 • Why this matters

ISO 19650 is the global framework for BIM information delivery. You understand the appointing party / appointed party / lead appointed party model, the BEP, EIR, AIR. That's the language every modern major project uses — and the literacy gap separates BIM-managed projects from BIM-cosmetic ones.

Quiz

Your score

0 / 5

1. ISO 19650-3 covers:

- a) Design phase
- b) Operational phase (asset management)
- c) Tendering
- d) Demolition

2. "WIP" in ISO 19650:

- a) Work In Place
- b) Work In Progress (one of four information states)
- c) Workflow Information Pipeline
- d) None

3. AIR stands for:

- a) Air conditioning
- b) Asset Information Requirements
- c) Architectural Image Render
- d) None

4. ISO 19650 Part 5 covers:

- a) Tendering
- b) Security-minded BIM
- c) Costing
- d) Demolition

5. UK adoption of ISO 19650:

- a) Replaced PAS 1192 from 2019
- b) Never adopted
- c) Replaced 2026
- d) Optional

Answers (for print): 1b · 2b · 3b · 4b · 5a

Resources

PRIMARY SOURCES

- BS EN ISO 19650-1, -2, -3, -5.
- PAS 1192 series (legacy).

STANDARDS AND GUIDANCE

- BS 1192:2007 (legacy).
- UK BIM Framework guidance.

INDEPENDENT COMMENTARY

- UK BIM Alliance / nima resources.
- buildingSMART chapter publications.

← PREVIOUS LESSON

**BIM Fundamentals – From CAD to
Information Management**

NEXT LESSON →

**Common Data Environment (CDE)
and Information Containers**