

ISO 19650 Q&A

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What is ISO 19650?

The ISO 19650 standard is an international standard for managing information over the whole life cycle of a built asset using building information modelling (BIM).

It contains the same requirements as the UK Governments BIM Level 2 and is closely aligned with the UK 1192 standards.

In Q1 2019 the first two international standards of the ISO 19650 series were published:

- BS EN ISO 19650-1: Organisation and digitisation of information about buildings and civil engineering works, including building information modelling - Information management using building information modelling: Concepts and principles
- BS EN ISO 19650-2: Organisation and digitisation of information about buildings and civil engineering works, including building information modelling - Information management using building information modelling: Delivery phase of the assets

These two ISO standards are based on the UK's standards for information management using building information modelling, BS 1192:2007 + A2:2016 and PAS 1192-2:2013.

The following document was also published alongside the ISO standards:

PD 19650-0 - UK Transition Guidance, which will along with the UK National Forewords and National Annex aid implementation of the ISO standards in the UK and ensure BIM Level 2 within the ISO framework.

This document explains how those in the UK can apply the standards locally and is a very useful guide but can only be accessed by purchasing a copy of ISO 19650-1 or 2.

Q&A

Q. Who should be interested in the new ISO?

A. All those involved in the asset life cycle. The asset owner/operator, the client, the asset manager, the design team, the construction team, an equipment manufacturer, a technical specialist, a regulatory authority, an investor, an insurer and an end-user. Everyone.

Q. What size of project can the ISO be used on?

A. It can be applied to built assets and construction projects of all sizes and all levels of complexity. This includes large estates, infrastructure networks, individual buildings and pieces of infrastructure and the projects or sets of projects that deliver them. However, the concepts and principles included in the ISO should be applied in a way that is proportionate and appropriate to the scale and complexity of the asset or project.

Q. When was ISO 19650-1 & 2 published?

A. December 2018 with a UK Annex version published in January 2019.

Q. Which UK standards have been replaced?

A. BS 1192:2007 + A2:2016 and PAS 1192-2:2013.

Q. What is the current status of BS 1192:2007 + A2:2016 and PAS 1192-2:2013?

A. On publication of ISO 19650 they were both withdrawn with immediate effect.

Q. Is ISO 19650 available for free download?

A. No ISO 19650-1 and 2 requires purchase (current pricing £108 & £93 as of March 2019)

Q. What is PD 19650?

A. When purchasing either ISO 19650-1 or 2, PD 19650 is provided for free as a UK focused transition guide.

Q. Should we now ignore BS 1192:2007 + A2:2016 and PAS 1192-2:2013?

A. No. The BIM Level 2 principles have been retained and these standards even though they have been withdrawn remain a useful reference guide.

Q. When should we transition to the new ISO 19650?

A. The vast majority of projects during 2019 will continue to be based on the UK BS/PAS suite of standards, but it is anticipated that the first ISO 19650 procured projects will enter the market in the latter part of 2019.

Q. We are working on a BIM Level 2 project now do we need to change to ISO 19650?

A. No. If you are already using the existing BIM Level 2 BS/PAS suite of standards on your projects no changes will be required as there should be no inconsistency with those and the new ISO 19650.

Q. On a ISO 19650 procured project is the contractual framework the same?

A. There may be some minor amendments due to the terminology used in ISO 19650, the CIC BIM Protocol is not aligned to ISO 19650 as an example. The current legal position is currently under review.

Q. Are there any new roles or responsibilities that the ISO introduces?

A. No. Roles are called “functions” in the ISO, this should help avoid the confusion caused in PAS1192:2 relating to roles and responsibilities.

Q. Will other standards in the BIM Level 2 suite be transitioned to an ISO?

A. Yes. Work is already progressing to transition PAS 1192-3 and PAS 1192-5 during 2020, these will become:

- BS EN ISO 19650-3 Organisation and digitisation of information about buildings and civil engineering works, including building information modelling - Information management using building information modelling – Part 3: Operational phase of assets
- BS EN ISO 19650-5 Organisation and digitisation of information about buildings and civil engineering works, including building information modelling - Information management using building information modelling – Part 5: Securityminded approach to information management

Q. Will the new ISO 19650 impact Lloyds Registers BIM Level 2 Accreditation scheme?

A. Standards often get amended or changed and all the Lloyds BIM Level 2 Accreditation scheme will have a transition process in place with appropriate timescales for compliance. Existing scheme holders will typically transition via the annual surveillance process.

Q. Can Excitech support international companies or UK companies with offices in other countries?

A. Yes we can, and we have a flexible approach to ensure it is an easy and cost effective process for customers. For these types of enquiries a conference call with a Consultant is recommended

Q. When will ISO 19650 next be reviewed?

A. The review period is five years, and is therefore scheduled for review during 2024.

Q. Will the Lloyds Accreditation scheme still be referenced to as BIM Level 2?

A. Yes, the core standards remain the same, but will now also include ISO 19650 parts 1 and 2. Any future name changes would be minimal for example BIM Level 2 may be revised to BIM Stage 2 for the international market, but there are no plans for changes at this time.

Q. What should I do next?

A. Don't panic! The principles of BIM Level 2 remain the same. Our advice is to begin to think about updating current documents to the new ISO in terms of terminology and concepts, but at a pace that suits you and your Client's projects. Also, consider communication of the changes and the impact to Employees and Management so they are not confused or concerned