UK BIM Framework: Standards in 2022

As the overarching approach to implementing BIM in the UK, the [1]UK BIM Framework dynamically responds to capture the most appropriate standards, guidance and resources to support the UK Built Environment sector. Last year, saw significant updates to the UK BIM Framework guidance. This year, expect to see several changes to the standards with constitute the Framework.

Following the release of the [2]Information Management Mandate within IPA's [3]Transformation Infrastructure Performance Roadmap to 2030, the UK BIM Framework has become the vehicle for public sector contracting authorities to implement information management. Specifically, the mandate requires:

"all procurement and contractual processes are compliant with the standards set out in the UK BIM Framework at the time of delivery"

As such, any changes to the schedule of [4]UK BIM Framework Standards needs to be carefully considered to ensure that it does not unduly affect the efficacy of the mandate itself. For example, the inclusion of too many standards may make the mandate cost prohibitive or conversely, the omission of key standards may prevent the expected benefits of the Framework from being realized.

During 2022, it is expected that the following changes to this schedule will take place:

- Both **BS 8536-1** and **BS 8536-2** will be replaced by [5]**BS 8536**. Focusing on design, manufacture and construction for operability , this change will see these standards consolidated into a single standard; eroding the division between building and infrastructure works. In doing so, the provisions within also now reference the ISO 19650 series.

- **BS 1192-4** will be replaced by [6]**ISO 19650-4**. Focusing on information exchange, the release of ISO 19650-4 will further complete the ISO 19650 series. Whilst ISO 19650-4 focuses on all information exchanges, the National annex is expected to provide the relevant information to describe how COBie is defined for UK usage.

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[1] https://www.ukbimframework.org/
[2] https://www.gov.uk/government/publications/transforming-infrastructure-performance-roadmap-to-2030/transforming-infrastructure-performance-roadmap-to-2030#annex-b-information-management-mandate
[3] https://www.gov.uk/government/publications/transforming-infrastructure-performance-roadmap-to-2030/transforming-infrastructure-performance-roadmap-to-2030
[4] https://www.ukbimframework.org/standards/
[5] https://standardsdevelopment.bsigroup.com/projects/2021-00410#/section
[6] https://standardsdevelopment.bsigroup.com/projects/2019-02287#/section

In addition, the following standards are also expected to be released in 2022 which relate to the UK's approach to BIM:

- [7]**ISO 12911**. Focusing on establishing a structured and checkable technical specification to define documentation, controls, or contents of an information container. In doing so, this standard will provide an approach to form documents which facilitate BIM implementation (such as organizational BIM manuals).

- [8]**BS 8644-1**. Focusing on the management, presentation, and exchange of fire safety information, BS 8644-1 strongly references the principles of information management using BIM within ISO 19650-1.

- [9]**Flex 1965**. Focusing on the method of specifying information management, Flex 1965 identified the features and characteristics of the UK BIM Framework Standards to be considered when forming information management services related specifications.

Whilst their position in regard to the UK BIM Framework Standards has yet to be agreed, these standards will provide organizations with valuable good practice to support their approach to information management using BIM and should be read and carefully considered regardless.

To keep up to date on the progress of these standards, please look out for further communications from [11]BSI, the [12]UK BIM Alliance, and the [1]UK BIM Framework. In addition, these standards can be followed using the [13]BSI standards development portal.

Of course, standards are not the only resources which support the implementation of BIM in the UK. As such, those attempting to conform to the UK BIM Framework Standards are encouraged to utilize the UK BIM Framework's other resources. These include:

- The [14]UK BIM Framework Guidance, which provides additional clarifications and insights from a myriad of experts and practitioners; and
- The [15]UK BIM Framework Resources, which include examples, videos, and links to external resources such as CPNI Guidance and Uniclass 2015.

As the built environment sector continues its digital transformation, it should be expected that the UK BIM Framework will continue to evolve to reflect the needs of clients, designers, constructors, owners and operators. Whilst the content within may change, UK BIM Framework will remain the overarching approach to implementing BIM in the UK.

Dan Rossiter, Co-Chair of the UK BIM Framework Strategy Board

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[7] https://standardsdevelopment.bsigroup.com/projects/2020-00486#/section
[8] https://standardsdevelopment.bsigroup.com/projects/2019-02962#/section
[9] https://standardsdevelopment.bsigroup.com/projects/2021-02423#/section
[10] https://standardsdevelopment.bsigroup.com/projects/2021-02423#/section1
[11] https://www.bsigroup.com/en-GB/
[12] https://www.ukbimalliance.org/
[13] https://standardsdevelopment.bsigroup.com/
[14] https://ukbimframeworkguidance.notion.site/ukbimframeworkguidance/UK-BIM-Framework-Guidance-20a045d01cfb42fea2fef35a7b988dbc
[15] https://www.ukbimframework.org/resources/