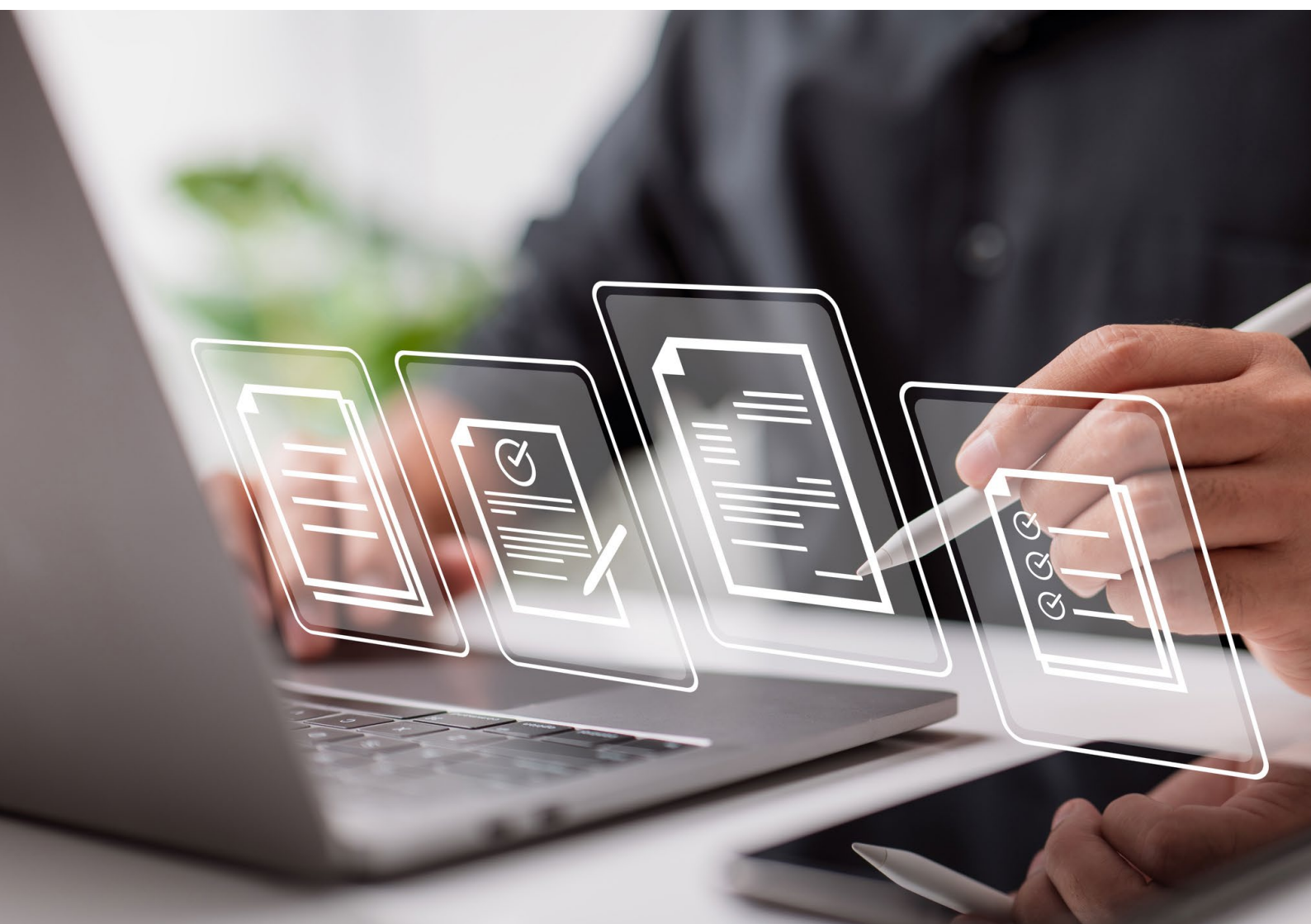


Built environment – UK BIM framework – Method of specifying

April 2023 Version 2



BSI Flex 1965 v2.0:2023-04



Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© The British Standards Institution 2023.

Published by BSI Standards Limited 2023.

ISBN: 978 0 539 24101 3

ICS: 35.240.67; 91.010.01

No copying without BSI permission except as permitted by copyright law.

Information on the development of this BSI Flex can be found at:
<https://www.bsigroup.com/en-GB/standards/bsi-flex-1965>

BSI's Flex Standards provide a new, flexible way to develop consensus-based good practice that dynamically adapts to keep pace with fast-changing markets. For more information, go to:
<https://www.bsigroup.com/en-GB/our-services/standards-services/flex/>

Release history

First version, July 2022

Second version, April 2023

Contents

Foreword	ii
0 Introduction.....	iv
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	2
4 Overview of method	4
5 UK BIM Framework characteristics	5
Annexes	
Annex A (informative)	
Example scenario.....	9
Bibliography	11
List of tables	
Table 1 – UK BIM Framework standards	v
Table A.1 – Summary of applicable clauses of BSI Flex 1965 for each respective lead appointed party appointment	10

Foreword

This BSI Flex was sponsored by Building Research Establishment (BRE) on behalf of the Construction Innovation Hub. Its development was facilitated by BSI Standards Limited and it was released under licence from The British Standards Institution. It came into effect on 30 April 2023.

Acknowledgement is given to David Churcher, Hitherwood Consulting Ltd., and Dan Rossiter, BSI, as the technical authors, and the following organizations that were involved in the development of this BSI Flex as members of the Advisory Group:

- Buro Happold
- Building Research Establishment (BRE)
- Centre for the Protection of National Infrastructure (CPNI)
- Environment Agency
- Faithful+Gould
- Galliford Try Holdings plc
- i3PT
- Infrastructure and Projects Authority
- Ministry of Justice
- Nima (formerly UK BIM Alliance)
- University of Nottingham
- Womble Bond Dickinson (UK) LLP

Acknowledgement is also given to co-opted members of the Advisory Group, together with the identified broader stakeholders who were consulted in the development of this version of the BSI Flex.

The British Standards Institution retains ownership and copyright of this BSI Flex. BSI Standards Limited, as the publisher of the BSI Flex, reserves the right to withdraw or amend this BSI Flex on receipt of authoritative advice that it is appropriate to do so.

This BSI Flex is not to be regarded as a PAS or British Standard.

The BSI Flex development process enables a method of specifying to be developed rapidly, and on an iterative basis, in order to fulfil an immediate stakeholder need. A BSI Flex can be considered for further development as a PAS or British Standard, or constitute part of the UK input into the development of a European or International Standard.

The content in this version is part of an iterative process. It is likely to change from time to time with subsequent iterations.

Supersession

This version of BSI Flex 1965 supersedes BSI Flex 1965 v1.0:2022-07, which is withdrawn.

Relationship with other publications

This BSI Flex supports the UK BIM Framework [N1] and BS EN ISO 19650 series.

Information about this document

This is Version 2 of BSI Flex 1965, which is the last planned version of the document. All comments received will be reviewed to inform the future direction of this document. Interested parties are encouraged to check the BSI website for updates regarding any future plans.

This is a partial update of the document, and introduces the following principal changes:

- Addition of informative notes and examples
- Addition of Annex A

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at bsigroup.com/ standards, or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Presentational conventions

The provisions of this BSI Flex are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. "organization" rather than "organisation").

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

Compliance with a BSI Flex cannot confer immunity from legal obligations.

0 Introduction

0.1 Context

This BSI Flex has been developed to help clients and asset owners incorporate the use of the UK BIM Framework [N1] into their delivery of project and asset management activities.

For public sector contracting authorities, this supports the requirements of the Information Management Mandate, published in the Transforming Infrastructure Performance Roadmap to 2030 [1], and the recommendations in the Construction Playbook [2]. However, this document is equally relevant to clients and asset owners outside the public sector. All these organizations are collectively referred to as appointing parties in the BS EN ISO 19650 series and as sponsors in BS 8536.

This BSI Flex can also be used by any suppliers involved in project delivery, as well as asset and facility management, both to check the completeness of a specification and to cascade the necessary behaviours and actions to implement the UK BIM Framework [N1] throughout their supply chains. In the BS EN ISO 19650 series, this is referred to as lead appointed parties cascading requirements to their delivery teams.

This BSI Flex has been written as a method of specifying, which is a particular type of standards document. A method of specifying gives the characteristics of a material, product, process, or system so that a specifier can select the values or options needed to capture their requirements.

In this BSI Flex, the material, product, process or system is the adoption of the UK BIM Framework [N1]. It sets out the characteristics of the UK BIM Framework [N1] in categories of basic and additional requirements.

It is expected that each user of this BSI Flex selects all the basic requirements (see 5.1.1) for adoption of the UK BIM Framework [N1] and any additional requirements (see 5.1.2) that are relevant to their situation. The collection of all selected requirements then forms that user's specification of the UK BIM Framework [N1] for the delivery of project or asset management activities. In this way, specifications generated by using this BSI Flex are intended to replace the use of blanket phrases such as "deliver project X using BIM".

For readers who wish to better understand the concepts and resources cited, additional guidance can be found within the UK BIM Framework Guidance [3].

0.2 BSI Flex structure

This BSI Flex is structured to be broadly consistent with the concepts and principles contained in BS EN ISO 19650-1. It does not exactly mirror the top-level clause headings but does include those concepts that are suitable for a specification of the UK BIM Framework [N1] as a whole.

This BSI Flex covers the adoption of the standards listed on the UK BIM Framework website. At the time of release of this BSI Flex, these standards are as shown in Table 1.

Table 1 – UK BIM Framework standards

Standard	BSI Flex clause referencing the standard	Notes
PD 19650-0 Transition guidance to BS EN ISO 19650	n/a	This is transition guidance from the BS 1192 series to the BS EN ISO 19650 series. As such its characteristics are not included.
BS EN ISO 19650-1 Concepts and principles	Throughout	Used to form the key headings and many of the basic requirements.
BS EN ISO 19650-2 Delivery phase of the assets	Throughout	Used to derive many of the basic requirements, which have been consolidated to be applicable regardless of life cycle phase, without repeating detailed contents of the standards.
BS EN ISO 19650-3 Operational phase of the assets	Throughout	
BS EN ISO 19650-4 Information exchange	Throughout	Used to inform several requirements relating to the common data environment.
BS EN ISO 19650-5 Security-minded approach to information management	Throughout	Used to derive many of the additional requirements as its applicability is conditioned on the sensitivity of relevant assets, without repeating detailed contents of the standard.
PAS 1192-6 Specification for collaborative sharing and use of structured Health and Safety information using BIM	5.1, 5.3	Used to extend the requirements to encapsulate health and safety.
BS 8536 Design, manufacture and construction for operability – Code of practice	5.2, 5.3, 5.4, 5.5	BS 8536 deals mainly with client/owner responsibilities, as such few provisions are relevant to the specification of information management related services.

NOTE This list is subject to amendment by the UK BIM Framework [N1]. Future iterations of this BSI Flex might be updated to take such amendments into account.