



**BSI Standards Publication**

# **Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling**

---

Part 3: Operational phase of the assets

## National foreword

This British Standard is the UK implementation of EN ISO 19650-3:2020. It is identical to [ISO 19650-3:2020](#).

The technical content of this BS EN ISO 19650-3 is intended as a replacement for content found in [PAS 1192-3:2014](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/555, Construction design, modelling and data exchange.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020  
Published by BSI Standards Limited 2020

ISBN 978 0 539 00172 3

ICS 35.240.67; 91.010.01; 93.010

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2020.

### Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

---

English Version

Organization and digitization of information about  
buildings and civil engineering works, including  
building information modelling (BIM) - Information  
management using building information modelling - Part  
3: Operational phase of the assets (ISO 19650-3:2020)

Organisation et numérisation des informations  
relatives aux bâtiments et ouvrages de génie civil  
y compris modélisation des informations de la  
construction (BIM) - Gestion de l'information  
par la modélisation des informations de la  
construction - Partie 3: Phase d'exploitation  
des actifs (ISO 19650-3:2020)

Organisation von Informationen zu  
Bauwerken - Informationsmanagement mit  
Bauwerksinformationsmodellierung - Teil 3:  
Betriebsphase der Assets (ISO 19650-3:2020)

This European Standard was approved by CEN on 26 July 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## European foreword

This document (EN ISO 19650-3:2020) has been prepared by Technical Committee ISO/TC 59 "Buildings and civil engineering works" in collaboration with Technical Committee CEN/TC 442 "Building Information Modelling (BIM)" the secretariat of which is held by SN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of [ISO 19650-3:2020](#) has been approved by CEN as EN ISO 19650-3:2020 without any modification.

# Contents

Page

<b>Foreword</b>	<b>v</b>
<b>Introduction</b>	<b>vi</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms, definitions, and symbols</b>	<b>1</b>
3.1 Terms and definitions	1
3.2 Symbols for process diagrams	2
<b>4 Information management associated with the operational phase of assets</b>	<b>2</b>
4.1 Information management process associated with the operational phase of assets	2
4.2 Relationship between this document and ISO 19650-2	4
<b>5 Information management process to support the operational phase of assets</b>	<b>4</b>
5.1 Information management process — assessment and need	4
5.1.1 Appoint individuals to undertake the information management function	4
5.1.2 Establish organizational information requirements	4
5.1.3 Identify the assets for which information shall be managed	5
5.1.4 Establish the asset information requirements	5
5.1.5 Identify the foreseeable trigger events for which information shall be managed	5
5.1.6 Establish the asset information standard	6
5.1.7 Establish the asset information production methods and procedures	6
5.1.8 Establish the reference information and shared resources	6
5.1.9 Establish the common data environment	7
5.1.10 Establish links to enterprise systems	7
5.1.11 Establish the asset information model	7
5.1.12 Establish processes to maintain the AIM	8
5.1.13 Establish the asset information protocol	8
5.1.14 Activities for assessment and need	9
5.2 Information management process — Invitation to tender/request to provide service	9
5.2.1 Decide the type of activity providing information	9
5.2.2 Establish the appointing party's exchange information requirements	10
5.2.3 Assemble reference information and shared resources	10
5.2.4 Establish response requirements and evaluation criteria	10
5.2.5 Compile information for the invitation to tender/request to provide service	11
5.2.6 Activities for invitation to tender/request to provide service	11
5.3 Information management process — Response to invitation to tender/request to provide service	12
5.3.1 Nominate individuals to undertake the information management function	12
5.3.2 Establish the delivery team's (pre-appointment) BIM execution plan	12
5.3.3 Assess task team capability and capacity	12
5.3.4 Establish the delivery team's capability and capacity	13
5.3.5 Establish the delivery team's mobilization plan	13
5.3.6 Establish the delivery team's risk register	13
5.3.7 Compile the delivery team's response	13
5.3.8 Activities for response to invitation to tender/request to provide service	14
5.4 Information management process — Appointment	14
5.4.1 Confirm the delivery team's BIM execution plan	14
5.4.2 Establish the delivery team's detailed responsibility matrix	15
5.4.3 Establish the lead appointed party's EIR (ISO 19650-3)	15
5.4.4 Establish the task information delivery plan(s)	15
5.4.5 Establish the master information delivery plan	15
5.4.6 Complete lead appointed party's appointment	16
5.4.7 Complete appointed party's appointment	16

5.4.8	Activities for appointment.....	16
5.5	Information management process — Mobilization .....	17
5.5.1	Mobilize resources .....	17
5.5.2	Mobilize information technology .....	17
5.5.3	Test the asset information production methods and procedures .....	18
5.5.4	Maintain resources in readiness for a trigger event .....	18
5.5.5	Activities for mobilization .....	18
5.6	Information management process — Production of information.....	19
5.6.1	Check availability of reference information and shared resources.....	19
5.6.2	Generate information.....	19
5.6.3	Undertake quality assurance check.....	19
5.6.4	Review information and approve for sharing.....	19
5.6.5	Review information model.....	20
5.6.6	Authorize information model for delivery to the appointing party.....	20
5.6.7	Activities for production of information .....	21
5.7	Information management process — Information model acceptance by appointing party .....	21
5.7.1	Submit information model for appointing party acceptance.....	21
5.7.2	Review and accept the information model.....	22
5.7.3	Activities for information model acceptance by appointing party.....	22
5.8	Information management process — AIM aggregation .....	23
5.8.1	Aggregate an accepted information model into the AIM .....	23
5.8.2	Review and continue maintenance of the AIM .....	23
5.8.3	Activities for AIM aggregation.....	23
<b>Annex A (informative) Guidance related to the information management process .....</b>		<b>25</b>
<b>Bibliography .....</b>		<b>30</b>