
Organizacija in digitalizacija informacij v gradbeništvu - Upravljanje informacij z BIM - 3. del: Obratovalna faza sredstev (ISO 19650-3:2020)

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 von Informationen zu Bauwerken - Informationsmanagement mit Bauwerksinformationsmodellierung - Teil 3: Betriebsphase der 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)

Ta slovenski standard je istoveten z: EN ISO 19650-3:2020

ICS:

35.240.67	Uporabniške rešitve IT v gradbeništvu	IT applications in building and construction industry
91.010.01	Gradbeništvo na splošno	Construction industry in general

SIST EN ISO 19650-3:2020**en,fr,de**

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EUROPEAN STANDARD

EN ISO 19650-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2020

ICS 35.240.67; 93.010; 91.010.01

English Version

Organization and digitization of information about
buildings and civil engineering works, including building
information modelling (BIM) - Information management
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compris modélisation des informations de la
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Partie 3: Phase d'exploitation des actifs (ISO 19650-
3:2020)

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Informationsmanagement mit
Bauwerksinformationsmodellierung - Teil 3:
Betriebsphase der Assets (ISO 19650-3:2020)

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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of an identical text or by endorsement, at the latest by February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.

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INTERNATIONAL
STANDARD

ISO
19650-3

First edition
2020-07

**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**

*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



Reference number
ISO 19650-3:2020(E)

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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
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Website: www.iso.org

Published in Switzerland

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by ISO/TC 59, *Buildings and civil engineering works*, SC 13, *Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM)*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 442, *Building Information Modelling (BIM)*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 19650 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

ISO 19650-3:2020(E)

Introduction

0.1 Purpose and application

This document is designed to enable an appointing party (such as an asset owner, asset operator or outsourced asset management provider) to establish their requirements for information during the operational phase of an asset. This document is also designed to enable them to provide the appropriate collaborative environment to fulfil commercial goals. Within this environment, multiple appointed parties can produce information in an effective and efficient manner.

This document is primarily intended for use by the following:

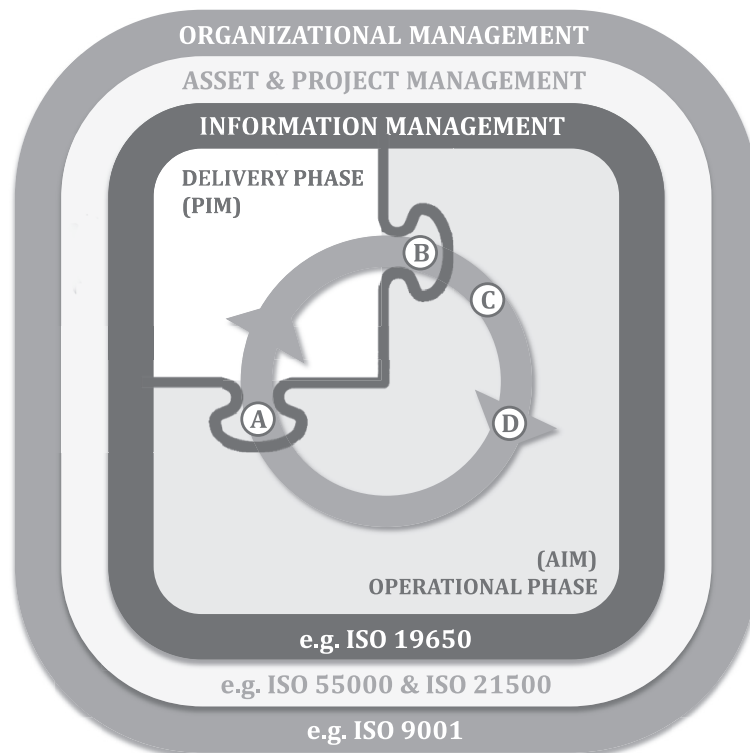
- those involved in the management of an asset and facility (see 0.2);
- those involved in the specification of appointments and the facilitation of collaborative working during the entire life cycle of an asset;
- those involved in delivering asset management and facility management during the operational phase of an asset (see 0.2); and
- those involved in specifying the information required for operational purposes that needs to be captured during the delivery phase of an asset.

If this document is being applied in relation to a particular asset then this should be reflected in the relevant appointments.

This document is applicable to assets of all sizes and all levels of complexity. This includes portfolios of buildings, campuses, infrastructure networks, individual buildings and pieces of infrastructure such as roads, bridges, footpaths, streetlights, water pipes or sewers. The requirements in this document should be applied in a way that is proportionate and appropriate to the scale and complexity of the asset.

Continuity of information management over the lifetime of an asset is important and it is recommended that all feasible steps (including transfer of the asset information model) are taken to ensure this whenever an asset is transferred from one owner to another.

[Figure 1](#) shows the application of information management during the operational phase (shaded) in conjunction with the delivery phase (unshaded apart from points A and B where information is transferred). [Figure 1](#) also shows how information management according to the ISO 19650 series takes place within the context of asset and project management which itself takes place within the context of organizational management. ISO 9001, ISO 55000 and ISO 21500, indicated in [Figure 1](#), are not requirements for applying this document.

**Key**

AIM asset information model

PIM project information model

A start of delivery phase — transfer of relevant information from AIM to PIM

B start of operational phase — transfer of relevant information from PIM to AIM

C post-occupancy/implementation evaluation or performance review

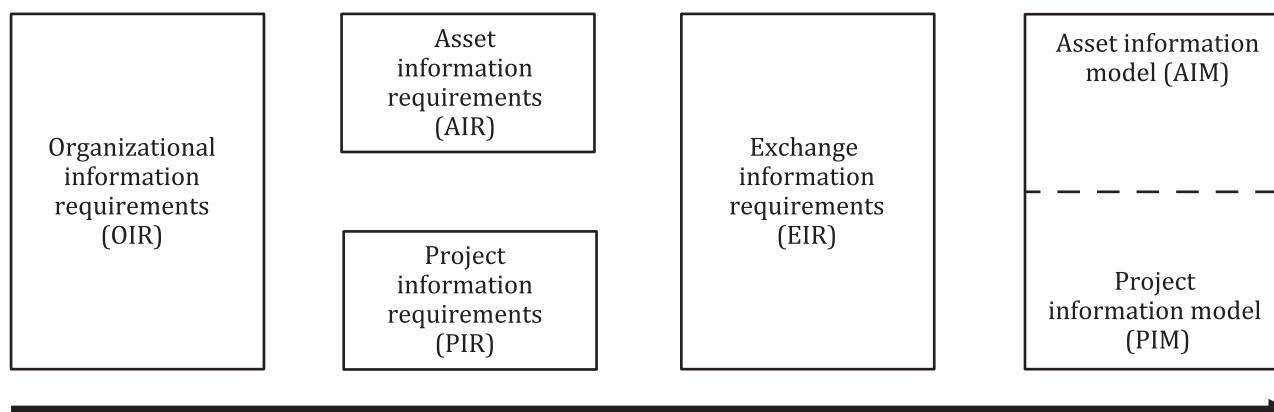
D trigger events during the operational phase

NOTE Information can be transferred between PIM and AIM during the delivery phase as well as at points A and B.

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Figure 1 — Scope of this document

The concepts and principles from ISO 19650-1, concerning different forms of information requirements, have been applied in this document. The application of these concepts and principles has been tailored to respond to the particular nature of asset management activities. In support of this, a simplified illustration of the progression of information requirements is shown in [Figure 2](#).

**Figure 2 — Simplified illustration of the progression of information requirements**