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| STN | Organizácia informácií o stavbách Manažment informácií s využitím informačného modelovania stavieb (BIM) Časť 6: Informácie o bezpečnosti a ochrane zdravia (ISO 19650-6: 2025) | STN EN ISO 19650-6 73 9011 |
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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 6: Health and safety information (ISO 19650-6:2025)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EN ISO 19650-6

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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 6: Health and
safety information (ISO 19650-6:2025)**

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 6: Informations relatives à la santé et à la
sécurité (ISO 19650-6:2025)

Organisation und Digitalisierung von Informationen zu
Bauwerken und Ingenieurleistungen, einschließlich
Bauwerksinformationsmodellierung (BIM) -
Informationsmanagement mit BIM - Teil 6: Gesundheit
und Sicherheit (ISO 19650-6:2025)

This European Standard was approved by CEN on 29 December 2024.

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.

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EN ISO 19650-6:2025 (E)

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European foreword

This document (EN ISO 19650-6:2025) 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 July 2025, and conflicting national standards shall be withdrawn at the latest by July 2025.

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Endorsement notice

The text of ISO 19650-6:2025 has been approved by CEN as EN ISO 19650-6:2025 without any modification.



International Standard

ISO 19650-6

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

Part 6: Health and safety information

*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 6: Informations relatives à la santé et à la sécurité

**First edition
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ISO 19650-6:2025(en)**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 document 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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 59, *Buildings and civil engineering works*, Subcommittee SC 13, *Organization and digitalization 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.

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Introduction

At the heart of this document is the requirement to identify, record, use and share information on health and safety risks which can result in harm to any person involved in the asset throughout its life. Information captured can include any site-wide health and safety risks associated with location, previous use, or the site's physical characteristics. ISO 31000 and ISO 45001 to ISO 45006 cover risk management and occupational health and safety

Health and safety related tasks such as allocation, registration and treatment can be performed by any party. They represent a specific opportunity for making improvements to asset management using the ISO 19650 series but also a challenge because health and safety information is a collective responsibility rather than a deliverable by an individual appointed party.

The exchange and use of health and safety information is intended to support:

- representation of the nature and characteristics of the works being undertaken, the site and the asset;
- representation of health and safety risks, hazards and associated factors;
- generalization, dissemination and re-use of health and safety knowledge and experience.

Health and safety information becomes meaningful when interpreted in the light of the history of events and accidents associated with such risk, and in the context of the immediate and underlying circumstances in which the risk is identified. The schema provided within this document includes a structure for recording contextual information and incidents. One important use of incident information is to link incidents to design factors, so that designers can learn about how their designed assets perform in use.

Organizational information requirements developed by the appointing party can reflect the required integration of health and safety as well as modelling and sharing of information across the supply chain. This contextual information can include information to identify characteristics of location, product, systems, element or plant or equipment, and scope of work activity to be carried out, which are associated as sources of the health and safety risk. Health and safety risks can be linked where appropriate to risk treatments which prioritize the production of inherently safer outcomes during the delivery and operational phases of an asset's life cycle. Prior to construction, health and safety risks can be progressively defined and linked to the context in which the harm can occur. During the construction stage the health and safety information can be used to identify, record, use and share barriers and controls to reduce health and safety risk.

During handover and close out of the project, the health and safety information can be used to ensure that the project information model is used to update the asset information model. This information is handed over to those who will be responsible for managing and assessing health and safety risks during the operational phase of the asset.

This document intends to support the use of health and safety and related information to:

- provide a safer and healthier environment for end users as well as for design, construction, operation and maintenance personnel;
- mitigate the inherent health and safety risks and hazards across the asset life cycle;
- result in improved health and safety performance, fewer incidents and associated impacts;
- provide for clearer, more assured and relevant health and safety information to the 'right people' at the 'right time';
- increase construction and operational value.

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

Part 6: Health and safety information

1 Scope

This document specifies concepts and principles for classifying, sharing and delivering health and safety information collaboratively, to secure the economic, environmental and social benefits.

This document:

- a) specifies requirements for the collaborative sharing of structured health and safety information throughout project and asset life cycles;
- b) supports the digitization of structured health and safety information in project and asset life cycles progressively from the outset;
- c) provides specification on how health and safety information is shared for use throughout project and asset life cycle;
- d) sets out a health and safety information cycle framework for the identification, use, sharing and generalization of health and safety information through information management processes.

This document is applicable to individuals and organizations that contribute to and influence the procurement, design, construction, use (including maintenance) and end-of-life of building and infrastructure assets.

The principles and requirements of this document can be applied equally to delivery or in-use phases not using BIM.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 19650-1, *Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling — Part 1: Concepts and principles*

ISO 19650-2, *Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling — Part 2: Delivery phase of the assets*

ISO 19650-3, *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*

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ISO 19650-4, *Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling — Part 4: Information exchange*

ISO 19650-5, *Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling — Part 5: Security-minded approach to information management*

ISO 31000, *Risk management — Guidelines*

ISO 45001, *Occupational health and safety management systems — Requirements with guidance for use*

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