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SLOVENSKI STANDARD
SIST EN ISO 23387:2020

01-oktober-2020

Informacijsko modeliranje gradenj (BIM) - Podatkovne predloge za gradnike, ki se uporabljajo v življenjskem ciklu gradbenega objekta - Pojmi in načela (ISO 23387:2020)

Building Information Modelling (BIM) - Data templates for construction objects used in the life cycle of any built asset - Concepts and principles (ISO 23387:2020)

Bauwerksinformationsmodellierung (BIM) - Datenvorlagen für Bauobjekte während des Lebenszyklus eines baulichen Vermögensgegenstandes - Konzepte und Grundsätze (ISO 23387:2020)

Modélisation des informations de la construction (BIM) - Modèles de données pour les objets de construction utilisés durant le cycle de vie de tout bien construit - Concepts et principes (ISO 23387:2020)

Ta slovenski standard je istoveten z: EN ISO 23387:2020

ICS:

13.020.60	Življenjski ciklusi izdelkov	Product life-cycles
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 23387:2020 en,fr,de

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 23387

July 2020

ICS 35.240.67; 91.010.01

English Version

Building information modelling (BIM) - Data templates for construction objects used in the life cycle of built assets - Concepts and principles (ISO 23387:2020)

Modélisation des informations de la construction (BIM) - Modèles de données pour les objets de construction utilisés durant le cycle de vie des biens construits - Concepts et principes (ISO 23387:2020)

Bauwerksinformationsmodellierung (BIM) - Datenvorlagen für Bauobjekte während des Lebenszyklus eines baulichen Vermögensgegenstandes - Konzepte und Grundsätze (ISO 23387:2020)

This European Standard was approved by CEN on 27 June 2020.

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

EN ISO 23387:2020 (E)

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European foreword

This document (EN ISO 23387:2020) 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 January 2021, and conflicting national standards shall be withdrawn at the latest by January 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.

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INTERNATIONAL STANDARD

ISO 23387

First edition
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Building information modelling (BIM) — Data templates for construction objects used in the life cycle of built assets — Concepts and principles

Modélisation des informations de la construction (BIM) — Modèles de données pour les objets de construction utilisés durant le cycle de vie des biens construits — Concepts et principes

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Foreword

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

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 23387:2020(E)

Introduction

Building information modelling (BIM) provides a digital process for describing and displaying information required in the planning, design, construction and operation of constructed facilities. This approach encompasses all aspects of the built environment, including civil infrastructure, utilities and public space.

ISO 19650 (all parts) sets out the recommended concepts and principles for business processes across the built environment sector in support of the management and production of information during the life cycle of built assets when using building information modelling (BIM). To support the management and production of information in these business processes, standardization is of the highest importance. Machine-readable data is essential to provide a reliable and sustainable exchange of information in an asset life cycle process.

Data templates provide a standardized data structure to describe the characteristics of construction objects, enabling seamless information exchanges of construction industry business semantics through the life cycle of any built asset.

Data templates should be standardized and made available across the built environment sector through data dictionaries based on ISO 12006-3:2007.

Data templates should be used in conjunction with Industry Foundation Classes (IFC) in ISO 16739-1 to enable and support open BIM processes.

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