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Guidance on how to implement EN ISO 19650-1 and -2 in Europe

Document d'orientation pour la mise en oeuvre des normes EN ISO 19650-1 et -2 en Europe

Anleitung zur Umsetzung der EN ISO 19650-1 und -2 in Europa

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European foreword

This document (CEN/TR 17439:2020) has been prepared by Technical Committee CEN/TC 442 “Building Information Modelling (BIM)”, the secretariat of which is held by SN.

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.

This document is intended to be a supporting document to the EN ISO 19650-1 and EN ISO 19650−2. It is the CEN guidance on how to implement the EN ISO 19650-1 and EN ISO 19650−2. The aim is to create a common understanding in digital collaboration according to EN ISO 19650-1 and EN ISO 19650−2 within the industry across Europe by fulfilling the following objectives:

— having a framework appropriate and adaptable across Europe for implementation according to EN ISO 19650-1 and EN ISO 19650−2,

— delivering interpretation of EN ISO 19650-1 and EN ISO 19650−2 commonly applied and consistent across Europe.

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Introduction

It is important that this guidance is used as a supporting document to the original EN ISO 19650-1 and EN ISO 19650−2 documents when implementing the standards. However, this guidance has been prepared so that it can be read also as a standalone document to understand the principles of EN ISO 19650−1 and EN ISO 19650−2.

This guidance does not seek to duplicate, contradict or extend the meaning of EN ISO 19650-1 and EN ISO 19650−2.

This guidance helps to describe the journey to a good digital collaboration based on the EN ISO 19650-1 and EN ISO 19650−2 standards, which are targeted at the whole of the built environment included infrastructure as well as buildings. It describes some of the key parts of the journey to establish a common understanding of the digital collaboration. The detailed description of how to achieve this is described in the EN ISO 19650-1 and EN ISO 19650−2 standards.

The principle of EN ISO 19650-1 and EN ISO 19650−2 standards is a pragmatic approach to allow all involved parties to collaborate on information management using building information modelling for projects and built assets as efficiently as possible. There should also be benefits relating to quality from applying the principle of EN ISO 19650-1 and EN ISO 19650−2.

The first section (Clause 5 and Clause 6) of the guidance provides a description of what the key elements of the EN ISO 19650−1 and EN ISO 19650−2 standards are. The second section (Clause 7) explains the EN ISO 19650−2 process, and the examples of Clause 8 are available for European market.

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1 Scope

The scope of this guidance is deliberately restricted only to refer to EN ISO 19650-1 and EN ISO 19650–2, highlighting and describing the manner in which to use it – and not extending or contradicting the scope and content of the standard. The document aims simply to provide minimum supporting text to achieve a basic understanding and ability to implement EN ISO 19650-1 and EN ISO 19650–2. In each country, each client, each team can use this guidance to provide the best response to information management in each project.

This document explains the terms and definitions, explains the concepts and principles and how to use them, and gives typical examples with clear explanations.

It should be noted that in this guidance, Information Management is considered as a part of the Project Management.

This guidance is intended to demonstrate how the standard works at European level, which is neutral, agnostic, and applicable to any of the following circumstances:

— the nature of contracts: e.g. public; private, alliances, global, partnership,

— the actors' functions: e.g. through the programming, design, construction phases, from small agencies, SMEs to large firms, large companies,

— the types of works: e.g. simple, complex, new, rehabilitated, housing, infrastructure.

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.

EN ISO 12006–2, *Building construction — Organization of information about construction works — Part 2: Framework for classification (ISO 12006-2)*

EN ISO 12006–3, *Building construction — Organization of information about construction works — Part 3: Framework for object-oriented information (ISO 12006-3)*

EN ISO 19650-1:2018, *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 19650-1:2018)*

EN ISO 19650-2:2018, *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 19650-2:2018)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 19650-1 and EN ISO 19650-2 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

NOTE Only necessary supplement terms for this guidance are listed below.

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