



SLOVENSKI STANDARD SIST EN ISO 21597-2:2021

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Informacijski vsebnik za izročitev povezanih dokumentov - Specifikacija za izmenjavo - 2. del: Vrste povezav (ISO 21597-2:2020)

Information container for linked document delivery - Exchange specification - Part 2: Link types (ISO 21597-2:2020)

Informationscontainer zur Datenübergabe - Austausch-Spezifikation - Teil 2: Dynamische Semantik (ISO 21597-2:2020)

Organisation de l'information concernant les travaux de construction - Conteneur d'information pour extraction de données (ICDD) - Partie 2: Titre manque (ISO 21597-2:2020)

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Ta slovenski standard je istoveten z: EN ISO 21597-2:2020

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| 35.240.67 | Uporabniške rešitve IT v gradbeništvu | IT applications in building and construction industry |
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EUROPEAN STANDARD

EN ISO 21597-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2020

ICS 35.240.67; 91.010.01

English Version

Information container for linked document delivery - Exchange specification - Part 2: Link types (ISO 21597- 2:2020)

Conteneur d'informations pour la livraison de
documents liés - Spécification d'échange - Partie 2:
Types de liens (ISO 21597-2:2020)

Informationscontainer zur Datenübergabe - Austausch-
Spezifikation - Teil 2: Dynamische Semantik (ISO
21597-2:2020)

This European Standard was approved by CEN on 14 November 2020.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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European foreword

This document (EN ISO 21597-2:2020) 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of an identical text or by endorsement, at the latest by May 2021, and conflicting national standards shall be withdrawn at the latest by May 2021.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
21597-2

First edition
2020-11

**Information container for linked
document delivery — Exchange
specification —**

**Part 2:
Link types**

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*Conteneur d'informations pour la livraison de documents liés —
Spécification d'échange —
(standards.iteh.ai)
Partie 2: Types de liens*

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ISO 21597-2:2020(E)

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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 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 21597 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.

Introduction

The ISO 21597 series has been developed in response to a need within the construction industry to be able to handle multiple interrelated documents as a single information delivery.

In ISO 21597-1, a specification is given for a generic container format that stores documents using various formats and structures, along with a means of linking otherwise disconnected data within those documents (including individual parts). These documents can have any syntax and semantics.

This document extends that specification by the addition of common link types (that define relationships) as specializations of the generic types provided in ISO 21597-1. This provides the ability to add information about the contents of a container, rather than extending the contents.

The link types provide the ability to express comparison, ordering and dependency relationships between the documents and entities within documents that form part of the payload of a container. This contributes greatly to the value of the container by providing commentary, guidance and explanation of the relationships between link elements which could otherwise be unclear or ambiguous, without making any assumptions about, nor being dependent on the specific type of the link elements.

The specification of link types in this document deliberately uses only annotation to add further details or meta data to the defined link types. This allows the container to be machine readable and human interpretable while noting that machine reasoning is not within the scope of this document. The concern is to avoid the risk of reading too much into the intention behind the expressed relationships. If machine reasoning is needed, further specifications would be required that are not in the current scope of this document.

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