



SLOVENSKI STANDARD
oSIST-TS ISO/DTS 24634:2024

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Upravljanje terminoloških virov - Predstavitev konceptualnih razmerij in predmetnih področij, skladno s TermBase eXchange (TBX)

Management of terminology resources — TermBase eXchange (TBX)-compliant representation of concept relations and subject fields

Gestion des ressources terminologiques — Représentation des relations conceptuelles et des domaines conforme à TermBase eXchange (TBX)

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en



FINAL DRAFT

Technical Specification

ISO/DTS 24634

Management of terminology resources — TermBase eXchange (TBX)-compliant representation of concept relations and subject fields

*Gestion des ressources terminologiques — Représentation des
relations conceptuelles et des domaines conforme à TermBase
eXchange (TBX)*

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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 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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This document was prepared by Technical Committee ISO/TC 37, *Language and terminology*, Subcommittee SC 3, *Management of terminology resources*.

This second edition cancels and replaces the first edition (ISO/TS 24634:2021), which has been technically revised.

The main changes are as follows:

- addition of TBX markup for concept relations outside the concept entry in [6.2.3](#);
- typology of associative relations in Table A.1 aligned with ISO 704:2022, Annex A;
- addition of markup samples of concept relations in the backmatter in [Annex C](#).

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

This document describes best practices for specifying subject fields and concept relations in termbases. It also demonstrates how to represent subject fields and concept relations in terminological document instances in a way that is compliant with ISO 30042.

Concept relations for specific TBX dialects are specified in the form of dedicated TBX modules. Subject fields can be declared in the TBX backmatter or implemented through an extensible markup language (XML) namespace. This document is intended to maximize interoperability of these types of information.

Throughout this document, reference is made to data categories (DCs). To maximize interoperability, it is essential that termbases use the same DCs, as described in this document, for the same purposes. DatCatInfo^[3] is a publicly available electronic repository of DC specifications. DCs used in the examples in this document are taken from DatCatInfo^[3].

This document complements ISO 30042.

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Management of terminology resources — TermBase eXchange (TBX)-compliant representation of concept relations and subject fields

1 Scope

This document specifies requirements and recommendations for representing subject fields and concept relations in TBX-compliant terminological document instances. Examples in this document utilize the data category as attribute (DCA) style of TBX markup.

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 1087, *Terminology work and terminology science — Vocabulary*

ISO 12620-1, *Management of terminology resources — Data categories — Part 1: Specifications*

ISO 12620-2, *Management of terminology resources — Data categories — Part 2: Repositories*

ISO 30042, *Management of terminology resources — TermBase eXchange (TBX)*

W3C, *RDF Resource Description Framework*, W3C Recommendation 25 February 2014, Available at: <https://www.w3.org/RDF/>

W3C, *SKOS Simple Knowledge Organization System Reference*, W3C Recommendation 18 August 2009. Available at: <https://www.w3.org/TR/skos-reference/>

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1087, ISO 12620-1, ISO 12620-2, ISO 30042 and the following apply.

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1 concept relation

relation between concepts

[SOURCE: ISO 1087:2019, 3.2.11]

3.2 hierarchical relation

hierarchical concept relation

generic relation (3.3) or *partitive relation* (3.4)

[SOURCE: ISO 1087:2019, 3.2.12]

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3.3

generic relation

generic concept relation

genus-species relation

concept relation (3.1) between a generic concept and a specific concept where the intension of the specific concept includes the intension of the generic concept plus at least one additional delimiting characteristic

[SOURCE: ISO 1087:2019, 3.2.13, modified — Example and notes to entry deleted.]

3.4

partitive relation

partitive concept relation

part-whole relation

part-of relation

concept relation (3.1) between a comprehensive concept and a partitive concept

[SOURCE: ISO 1087:2019, 3.2.14, modified — Example deleted.]

3.5

associative relation

associative concept relation

pragmatic relation

non-hierarchical *concept relation* (3.1)

[SOURCE: ISO 1087:2019, 3.2.23, modified — Example deleted.]

3.6

concept entry

terminological entry

part of a *terminological data collection* (3.12) which contains the terminological data related to one concept

[SOURCE: ISO 30042:2019, 3.5, modified — Admitted term “entry” deleted.]

3.7

data category

DC

class of data items that are closely related from a formal or semantic point of view

EXAMPLE /part of speech/, /subject field/, /definition/.

Note 1 to entry: A data category can be viewed as a generalization of the notion of a field in a database.

Note 2 to entry: In running text, such as in this document, data categories are enclosed in forward slashes (e.g. /part of speech/).

[SOURCE: ISO 30042:2019, 3.8, modified —Abbreviated term “DC” added.]

3.8

picklist

list of permissible values of a closed *data category* (3.7)

3.9

subject field

domain

field of special knowledge

[SOURCE: ISO 10241-1:2011, 3.3.1, modified — “subject field” replaced “domain” as the preferred term. Notes to entry deleted.]

3.10

subject-field classification

logical structure of the *subject fields* (3.9) and subfields dealt with in a *terminological data collection* (3.12)