

INTERNATIONAL STANDARD

HORIZONTAL PUBLICATION

**Standard data element types with associated classification scheme –
Part 7: Data dictionary of cross-domain concepts**





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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 01.110; 25.040.40; 31.020

ISBN 978-2-8322-8130-7

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**STANDARD DATA ELEMENT TYPES
WITH ASSOCIATED CLASSIFICATION SCHEME –****Part 7: Data dictionary of cross-domain concepts**

FOREWORD

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IEC 61360-7 has been prepared by subcommittee 3D: Classes, Properties and Identification of products – Common Data Dictionary (CDD), of IEC technical committee 3: Documentation, graphical symbols and representations of technical information. It is an International Standard.

This document has the status of a horizontal publication in accordance with IEC Guide 108.

IEC 61360-7 is a standard in DB format and published in IEC CDD.

This document specifies the new data dictionary (domain) "IEC 61360-7 – General items" including its generic concepts.

Further development and maintenance of this document shall be published in IEC CDD according to the procedures defined in the ISO/IEC Directives Part 1 – IEC Supplement ANNEX SK. These procedures are named SDB content procedure – ANNEX SK, SK.4.4.

The text of this International Standard is based on the following documents:

Draft	Report on voting
3D/397/CDV	3D/401/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

The IEC 61360 series as a whole specifies a general-purpose dictionary of technical terms covering the field of electrotechnology, electronics and related domains. The dictionary is structured in data dictionaries (domains) and specified in a computer-sensible form as a reference dictionary. By using the dictionary, applications can interact and share data in an unambiguous way with clear semantic meaning.

This document specifies the new data dictionary (domain) "IEC 61360-7 – General items" including its generic concepts. This data dictionary is intended for cross-domain use and is published in IEC CDD.

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STANDARD DATA ELEMENT TYPES WITH ASSOCIATED CLASSIFICATION SCHEME –

Part 7: Data dictionary of cross-domain concepts

1 Scope

This part of IEC 61360 specifies the new data dictionary (domain) "IEC 61360-7 – General items" including its generic concepts. The IEC 61360-7 data dictionary provides concepts (dictionary elements, e.g. classes, properties) intended for cross-domain use.

This document has the status of a horizontal publication in accordance with IEC Guide 108.

The IEC 61360-7 data dictionary is published in IEC CDD and is available at <https://cdd.iec.ch>.

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/TS 29002-5:2009, *Industrial automation systems and integration – Exchange of characteristic data – Part 5: Identification scheme*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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

3.1.1

IEC CDD

IEC Common Data Dictionary

IEC hosted system that includes a common repository with data dictionaries for all ISO and IEC industrial or technical-related domains (or both) and that complies with the data model for data dictionaries defined in IEC 61360-2/ISO 13584-42 with an enhancement of its modelling capability adopted from IEC 62656-1

Note 1 to entry: Data dictionaries may include data from electrotechnical and non-electrotechnical domains.

Note 2 to entry: Content published in data dictionaries will become an ISO or IEC standard.

3.1.2

data dictionary

structured collection of dictionary elements that complies with the data model specified in IEC 61360-2/ISO 13584-42 and IEC 61360-1, and that represents product ontologies