IEC 61360-6

Edition 1.0 2016-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Standard data element types with associated classification scheme for electric components –
Part 6: IEC Common Data Dictionary (IEC CDD) quality guidelines

Types normalisés d'éléments de données avec plan de classification pour composants électriques –
Partie 6: Dictionnaire de données communes de l'IEC (IEC CDD) – Lignes directrices pour la qualité

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IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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FOREWORD

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International Standard IEC 61360-6 has been prepared by subcommittee 3D: Product properties and classes and their identification, of IEC technical committee 3: Information structures and elements, identification and marking principles, documentation and graphical symbols.

The text of this standard is based on the following documents:

FDIS	Report on voting
3D/279/FDIS	3D/283/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61360 series, published under the general title *Standard data element types with associated classification scheme for electric components*, can be found on the IEC website.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

The use of product data is an essential part of electronic business. Product selection, business transactions, maintenance procedures, etc., rely on the availability of data about products and services. To ensure a common understanding and a general treatment of product data, classification and dictionary systems are used to define their essential technical parameters or to categorize products.

The standards of the series IEC 61360 specify rules for structure and content of collections of product properties and its classification structures. In most cases the classes and properties contained in such collections are intuitively understandable. But, unfortunately, creating the information objects and their textual content, such as definitions, has proved to be a demanding task with potential pitfalls and problems. For avoiding such difficulties explanatory material and sections of other standards are collected in this part of IEC 61360 providing the necessary knowledge for successfully creating classes and properties. Thus, IEC 61360-6 provides guidance for specifying the information content of IEC 61360 classes and properties.

This part of IEC 61360 is intended for domain specialists who are technical experts in their specific technical domain. The domain specialists do not necessarily have an in-depth knowledge of IEC 61360-1 or IEC 61360-2.

STANDARD DATA ELEMENT TYPES WITH ASSOCIATED CLASSIFICATION SCHEME FOR ELECTRIC COMPONENTS –

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1 Scope

This part of IEC 61360 provides guidance for the definition of concepts that are used to describe classes and properties submitted for update of the content of IEC Common Data Dictionary (IEC CDD). This includes

– a basic understanding of key concepts and procedures used within IEC CDD;
– a binding reference for quality control of IEC 61360 compliant dictionary content;
– guidance on documents where necessary in-depth knowledge can be acquired (see Clause 2 and Annex D).

This part of IEC 61360 includes the following subjects:

– basic overview about fundamental concepts of IEC 61360;
– formulating definitions and other textual elements;
– overview of IEC maintenance procedure for IEC CDD;
– checklist for providing input to the IEC CDD content.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61360-1, *Standard data element types with associated classification scheme for electric components – Part 1: Definitions – Principles and methods*

IEC 61360-2:2012, *Standard data element types with associated classification scheme for electric components – Part 2: EXPRESS dictionary schema*

IEC 62656-1, *Standardized product ontology register and transfer by spreadsheets – Part 1: Logical structure for data parcels*

IEC TS 62656-2:2013, *Standardized product ontology register and transfer by spreadsheets – Part 2: Application guide for use with the IEC common data dictionary (CDD)*

ISO 704:2009, *Terminology work – Principles and methods*

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

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