Structuring of technical information and documentation



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ICS 29.020

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EUROPEAN STANDARD

EN 62023

NORME EUROPÉENNE EUROPÄISCHE NORM

January 2012

ICS 29.020

Supersedes EN 62023:2000

English version

Structuring of technical information and documentation (IEC 62023:2011)

Structuration des informations et de la documentation techniques (CEI 62023:2011)

Strukturierung technischer Information und Dokumentation (IEC 62023:2011)

This European Standard was approved by CENELEC on 2011-11-23. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 3/1050/FDIS, future edition 2 of IEC 62023, prepared by IEC/TC 3 "Information structures, documentation and graphical symbols" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62023:2012.

The following dates are fixed:

•	latest date by which the document has	(dop)	2012-08-23
	to be implemented at national level by		
	publication of an identical national		
	standard or by endorsement		
•	latest date by which the national	(dow)	2014-11-23
	standards conflicting with the		
	document have to be withdrawn		

This document supersedes EN 62023:2000.

EN 62023:2011 includes the following significant technical changes with respect to EN 62023:2000:

- the terminology used in the publication has been adapted to the one used in EN 81346-1:2009 and EN 62507-1:2011;
- the figures have been adapted to the principles used in EN 81346-1:2009 in order to better illustrate the interrelations between the standards;
- the examples in the annexes have been provided with comments;

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62023:2011 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62507-1:2010 NOTE Harmonized as EN 62507-1:2011 (not modified).

IEC 81346-2:2009 NOTE Harmonized as EN 81346-2:2009 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 61082-1	2006	Preparation of documents used in electrotechnology - Part 1: Rules	EN 61082-1	2006
IEC 61355-1	2008	Classification and designation of documents for plants, systems and equipment - Part 1: Rules and classification tables	EN 61355-1	2008
IEC 61360	-	Component data dictionary (CDD)	-	-
IEC 62027	-	Preparation of object lists, including parts lists	EN 62027	-
IEC/PAS 62569-1	-	Generic specification of information on products - Part 1: Principles and methods	-	-
IEC 81346-1	2009	Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules	EN 81346-1	2009
IEC 82045-1	2001	Document management - Part 1: Principles and methods	EN 82045-1	2001
IEC 82045-2	2004	Document management - Part 2: Metadata elements and information reference model	EN 82045-2	2005
ISO 7200		Technical product documentation - Data fields in title blocks and document headers	EN ISO 7200	
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Figure 4 – Main document and complementary documents; illustration of different degrees of partitioning of the information into different documents	
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degrees of partitioning of the information into different documents	

INTRODUCTION

IEC 62023 can be seen as a bridge between system structuring principles and documentation structuring principles, in that it provides:

- a standardization of common practice in manufacturing industry with regard to the organization of information / documentation according to the product structure by means of a main document;
- a further detailing and formalization of guidance already given in IEC 61355-1:2008, by the general establishment of the main document concept with explicit referencing to complementary documents in a document set for a technical object; and
- an application of the object concept from the structuring principles of IEC 81346-1:2009 in the area of document structuring. It goes beyond the existing documents in that it shows how objects with several aspects can be kept together in a systematic way.

In Product Data Management (PDM) systems the "objects" in the product structure, which are configuration controlled information objects, correspond logically to main documents. However, although they fulfil all necessary requirements for being documents, the term is " Octobro Constant of the cons sometimes not used for them.

STRUCTURING OF TECHNICAL INFORMATION AND DOCUMENTATION

1 Scope

This international standard provides rules for applying a method of structuring technical information and documentation by using a main document (leading document) for the clustering of the information for each object.

2 Normative references

The following referenced documents are indispensable for the application 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.

IEC 61082-1:2006, Preparation of documents used in electrotechnology - Part 1: Rules

IEC 61355-1:2008, Classification and designation of documents for plants, systems and equipment – Part 1: Rules and classification tables

IEC 61360, Component data dictionary (CDD). Available from: http://std.iec.ch/iec61360

IEC 62027: -, Preparation of object lists, including parts lists1

IEC/PAS 62569-1, Generic specification of information on products – Part 1: Principles and methods

IEC 81346-1:2009, Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations – Part 1: Basic rules

IEC 82045-1:2001, Document management - Part 1: Principles and methods

IEC 82045-2:2004, Document management – Part 2: Metadata elements and information reference model

ISO 7200, Technical product documentation – Data fields in title blocks and document headers

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply. In the definitions, terms that are defined elsewhere in this clause are shown in *italics*.

An alphabetical index of terms is given in 3.4.

NOTE Definitions taken over from other international standards are not necessarily literally cited, but adapted to the form required for definitions according to the ISO/IEC Directives.

¹ In preparation.