



SLOVENSKI STANDARD
SIST EN 61082-1:2015
01-april-2015

Priprava dokumentov za uporabo v elektrotehniko - 1. del: Pravila (IEC 61082-1:2014)

Preparation of documents used in electrotechnology - Part 1: Rules (IEC 61082-1:2014)

Dokumente der Elektrotechnik - Teil 1: Regeln (IEC 61082-1:2014)

Établissement des documents utilisés en électrotechnique - Partie 1: Règles (IEC 61082-1:2014)

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Ta slovenski standard je istoveten z: EN 61082-1:2015
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ICS:

01.110	Tehnična dokumentacija za izdelke	Technical product documentation
29.020	Elektrotehnika na splošno	Electrical engineering in general

SIST EN 61082-1:2015

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EUROPEAN STANDARD

EN 61082-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2015

ICS 01.110; 29.020

Supersedes EN 61082-1:2006

English Version

Preparation of documents used in electrotechnology -
Part 1: Rules
(IEC 61082-1:2014)

Établissement des documents utilisés en électrotechnique -
Partie 1: Règles
(IEC 61082-1:2014)

Dokumente der Elektrotechnik -
Teil 1: Regeln
(IEC 61082-1:2014)

This European Standard was approved by CENELEC on 2014-12-02. 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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 3/1189/FDIS, future edition 3 of IEC 61082-1, 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 61082-1:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-09-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-12-02

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The text of the International Standard IEC 61082-1:2014 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 60073:2002	NOTE	Harmonized as EN 60073:2002 (not modified).
IEC 60204-1:2005	NOTE	Harmonized as EN 60204-1:2006 (modified).
IEC 60204-1:2005/A1:2008	NOTE	Harmonized as EN 60204-1:2006/A1:2009 (not modified).
IEC 60445:2010	NOTE	Harmonized as EN 60445:2010 (not modified).
ISO 128-21:1997	NOTE	Harmonized as EN ISO 128-21:1997 (not modified).
ISO 6428:1982	NOTE	Harmonized as EN ISO 6428:1999 (not modified).
ISO 7200:2004	NOTE	Harmonized as EN ISO 7200:2004 (not modified).
ISO 10209:2012	NOTE	Harmonized as EN ISO 10209:2012 (not modified).
ISO 10628 Series	NOTE	Harmonized as EN ISO 10628 Series (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60027	Series	Letter symbols to be used in electrical technology	EN 60027	Series
IEC 60375	-	Conventions concerning electric and magnetic circuits	EN 60375	-
IEC 60617-DB	-	Graphical symbols for diagrams	-	-
IEC 60757	-	Code for designation of colours	HD 457 S1	-
IEC 60848	-	GRAFSET specification language for sequential function charts	EN 60848	-
IEC 61175	-	Industrial systems, installations and equipment and industrial products - Designation of signals	EN 61175	-
IEC 61286	-	Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange	EN 61286	-
IEC 61293	-	Marking of electrical equipment with ratings related to electrical supply - Safety requirements	EN 61293	-
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 61666	-	Industrial systems, installations and equipment and industrial products - Identification of terminals within a system	EN 61666	-
IEC 62023	-	Structuring of technical information and documentation	EN 62023	-
IEC 62027	-	Preparation of object lists, including parts lists	EN 62027	-
IEC 62491	-	Industrial systems, installations and equipment and industrial products - Labelling of cables and cores	EN 62491	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 81346-1	-	Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules	EN 81346-1	-
IEC 81714-2	2006	Design of graphical symbols for use in the technical documentation of products - Part 2: Specification for graphical symbols in a computer sensible form including graphical symbols for a reference library, and requirements for their interchange	EN 81714-2	2007
IEC 82045-1	2001	Document management - Part 1: Principles and methods	EN 82045-1	2001
IEC 82045-2	-	Document management - Part 2: Metadata elements and information reference model	EN 82045-2	-
IEC 82079-1	-	Preparation of instructions for use - Structuring, content and presentation - Part 1: General principles and detailed requirements	EN 82079-1	-
ISO 128-22	-	Technical drawings - General principles of presentation - Part 22: Basic conventions and applications for leader lines and reference lines	-	-
ISO 128-30	-	Technical drawings - General principles of presentation - Part 30: Basic conventions for views	-	-
ISO 2594	-	Building drawings - Projection methods	-	-
ISO 3098-5	-	Technical product documentation - Lettering - Part 5: CAD lettering of the Latin alphabet, numerals and marks	ISO 3098-5	-
ISO 5455	-	Technical drawings - Scales	EN ISO 5455	-
ISO 5456-2	-	Technical drawings - Projection methods - Part 2: Orthographic representations	EN ISO 5456-2	-
ISO 5457	1999	Technical product documentation - Sizes and layout of drawing sheets	EN ISO 5457	1999
ISO 80000	Series	Quantities and units	EN ISO 80000	Series
ISO 81714-1	-	Design of graphical symbols for use in the technical documentation of products - Part 1: Basic rules	EN ISO 81714-1	-



IEC 61082-1

Edition 3.0 2014-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Preparation of documents used in electrotechnology –
Part 1: Rules

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Établissement des documents utilisés en électrotechnique –
Partie 1: Règles

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

XE

ICS 01.110; 29.020

ISBN 978-2-8322-1872-3

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PREPARATION OF DOCUMENTS USED
IN ELECTROTECHNOLOGY –**
Part 1: Rules**FOREWORD**

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61082-1 has been prepared by IEC technical committee 3: Information structures, documentation and graphical symbols.

It has the status of a horizontal standard in accordance with IEC Guide 108.

This third edition cancels and replaces the second edition published in 2006. This edition constitutes a technical revision and includes the following main technical changes:

- a) inclusion of presentation rules for wireless interconnections
- b) description of exceptional cases for the application of rules for positioning of reference designations in diagrams
- c) correction of errors and update of the normative references
- d) harmonization of definitions with respect to referenced publications.

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

FDIS	Report on voting
3/1189/FDIS	3/1196/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.

A list of all the parts in the IEC 61082 series, under the general title *Preparation of documents used in electrotechnology*, can be found on the IEC website.

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

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site 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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