Preparation of documents used in electrotechnology –
Part 1: Rules

This English-language version is derived from the original bilingual publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PREPARATION OF DOCUMENTS USED IN ELECTROTECHNOLOGY

Part 1: Rules

FOREWORD

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International Standard IEC 61082-1 has been prepared by IEC technical committee 3: Information structures, documentation and graphical symbols.

<table>
<thead>
<tr>
<th>FDIS</th>
<th>Report on voting</th>
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<td>3/771/FDIS</td>
<td>3/798/RVD</td>
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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 second edition is a consolidated version of IEC 61082 Parts 1 to 4 and cancels and replaces the first editions of them published correspondingly in 1991, 1993, 1996. This second edition constitutes technical revisions.
Compared to the first editions, the following substantial changes have been made:

- the scope of IEC 61082 has been gradually shifted from the rules of preparation of documents to the rules of presentation of information in documents;
- the information is split in a way to establish general rules that are valid for the preparation of all document kinds, to more specific rules for specific document kinds;
- terminology has been improved in a way that terms related to document kinds are clearly differentiated from those related to forms of presentations;
- the publication is focusing on rules that support the legibility of a document and not on the process of developing the document;
- examples in the publication are shown only to that extent necessary for the understanding of the concepts described. The use of comprehensive examples and diagrams are limited as such examples do not illustrate rules more efficiently than small sketches.

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 maintenance result 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.
INTRODUCTION

IEC 61082 deals with the presentation of information in documents. Part of this information is described in other International Standards. The following illustration provides an overview on the interrelation between some of these standards.

Examples in this part are intended to illustrate a given rule and are not necessarily representative of complete documents.
1 Scope

This part of IEC 61082 provides general rules and guidelines for the presentation of information in documents, and specific rules for diagrams, drawings and tables used in electrotechnology.

Excluded from this standard are rules and guidelines for all kind of audio or video presentations.

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 60027 (all parts), Letter symbols to be used in electrical technology
IEC 60375:2003, Conventions concerning electric and magnetic circuits
IEC 60757:1983, Code for designation of colours
IEC 60617-DB: 2001, Graphical symbols for diagrams
IEC 60848:2002, GRAFCET specification language for sequential function charts
IEC 61175:2005, Industrial systems, installations and equipment and industrial products – Designation of signals
IEC 61286:2001, Information technology – Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange
IEC 61293:1994, Marking of electrical equipment with ratings related to electrical supply – Safety requirements
IEC 61355:1997, Classification and designation of documents for plants, systems and equipment
IEC 61666:1997, Industrial systems, installations and equipment and industrial products – Identification of terminals within a system
IEC 61804-1:2003, Function blocks (FB) for process and control – Part 1: Overview of system aspects

IEC 62023:2000, Structuring of technical information and documentation

IEC 62027:2000, Preparation of parts lists

IEC 62079:2001, Preparation of instructions – Structuring, content and presentation


ISO 31 (all parts), Quantities and units


ISO 2594:1972, Building drawings – Projection methods


ISO 5807:1985, Information processing – Documentation symbols and conventions for data, program and system flowcharts, program network charts and system resources charts

ISO 5455:1979, Technical drawings – Scales


ISO 5457:1999, Technical product documentation – Sizes and layout of technical drawing sheets

ISO 10209-1:1992, Technical product documentation – Vocabulary – Part 1: Terms relating to technical drawings: general and types of drawings


ISO 14617 (all parts), Graphical symbols for diagrams


1 Published as a compilation in ISO Standards Handbook, Quantities and units.