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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

Classification et désignation des documents pour installations industrielles, systèmes et matériels –
Partie 1: Règles et tableaux de classification



IEC 61355-1:2008

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IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland
Email: inmail@iec.ch
Web: www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CLASSIFICATION AND DESIGNATION OF DOCUMENTS FOR PLANTS, SYSTEMS AND EQUIPMENT –

Part 1: Rules and classification tables

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FOREWORD

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International Standard IEC 61355-1 has been prepared by IEC technical committee 3: Information structures, documentation and graphical symbols in co-operation with ISO technical committee 10: Technical product documentation.

This second edition cancels and replaces the first edition published in 1997. This edition constitutes a technical revision.

The main changes with respect to the previous edition are listed below:

- Table A.2 has been extended under code P;
- Table B.1 in the first edition has been omitted from this second edition; it is being replaced by a separate standard in database format: IEC 61355 DB.

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

FDIS	Report on voting
3/878/FDIS	3/890/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 of IEC 61355 series, published under the general title *Classification and designation of documents for plants, systems and equipment,* can be found on the IEC website.

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- withdrawn,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.

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INTRODUCTION

Documentation is necessary for the provision of information for all activities during the life-cycle of technical products which include plants, systems and equipment. It may be produced in any phase or activity. Documents may be received from and delivered to other parties. Different parties may need different information or different views on the same information, depending on what is most suitable for the intended purpose.

In this part of IEC 61355 the term "document" is used in a very general sense. It covers information on all possible media on which data can be recorded. However, the description of document kinds is derived from the paper-based presentation of this information, i.e. how the information is made visible and readable for the user.

One aim of this standard is to establish a method for better communication and understanding between parties involved in document interchange. In order to get a basis for a system, it is necessary to disregard, more or less, what a document is called today. Different names are in use for the same document kind or the names may have different meanings for different parties. The purpose and object of interest are sometimes also part of document titles, which hampers general understanding. Therefore, the basis for a common understanding should be a document kind classification which is based only on the content of information.

Another aim is to cover the need for data retrieval as it is often based on the need for the information content of the document.

A third aim of this standard is to set up rules for a specific method of correlating documents and objects, i.e. to indicate to which object a specific document belongs. For this purpose, a document designation system is provided, linking the document kind designation to the object designation used within the plant, system or equipment. Following the rules and recommendations given, the documentation reflects the structure of the "real installation". By that also guidance is given for sorting and grouping as well as for structured searching for information, for example in document retrieval systems.

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CLASSIFICATION AND DESIGNATION OF DOCUMENTS FOR PLANTS, SYSTEMS AND EQUIPMENT –

Part 1: Rules and classification tables

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1 Scope

This part of IEC 61355 provides rules and guidelines for the classification of documents based on their characteristic content of information. A letter-code indicating the document kind class is provided together with rules and guidelines for its application in a document designation code. This standard is relevant for documents in all technical areas which are in use during the life cycle of a plant, system or equipment.

NOTE The defined classes and codes are intended to be used as values associated with metadata in document management systems (see IEC 82045-1 and IEC 82045-2).

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 62023:2000, *Structuring of technical information and documentation*

ISO 639-1:2002, *Code for the representation of names of languages – Part 1: Alpha-2 code*

ISO 3166-1:2006, *Codes for the representation of names of countries and their subdivisions – Part 1: Country codes*

ISO 7200:2004, *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.

3.1
data medium
material in or on which data can be recorded and from which data can be retrieved

[ISO/IEC 2382-1, definition 01.01.51]

3.2
document
fixed and structured amount of information intended for human perception that can be managed and interchanged as a unit between users and systems

NOTE 1 The term document is not restricted to its meaning in a legal sense.

NOTE 2 A document can be designated in accordance with the type of information and the form of presentation, for example overview diagram, connection table, function chart.