ICS 01.080.01, 01.080.30 SLOVENSKÁ TECHNICKÁ NORMA Máj 2025

STN	**Priemyselné systémy, inštalácia, vybavenie a priemyselné výrobky Klasifikácia a označovanie informácií Časť 1: Základné pravidlá a klasifikácia informácií**	**STN EN IEC 81355-1** 01 3721

Industrial systems, installations and equipment and industrial products - Classification and designation of information - Part 1: Basic rules and classification of information

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/25

Obsahuje: EN IEC 81355-1:2025, IEC 81355-1:2024

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 81355-1

January 2025

ICS 01.080.01; 01.080.30

Supersedes EN 61355-1:2008

English Version

Industrial systems, installations and equipment and industrial products - Classification and designation of information - Part 1: Basic rules and classification of information (IEC 81355-1:2024)

Systèmes industriels, installations et matériels et produits industriels - Classification et désignation des informations - Partie 1: Règles de base et classification des informations (IEC 81355-1:2024)

Industrielle Systeme, Installationen, Ausrüstungen und Industrieprodukte - Klassifikation und Zuordnung von Informationsinhalten - Teil 1: Grundregeln (IEC 81355-1:2024)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 81355-1:2025 E

European foreword

The text of document 3/1651/FDIS, future edition 1 of IEC 81355-1, prepared by TC 3 "Documentation, graphical symbols and representations of technical information" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 81355-1:2025.

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)	2026-01-31
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2028-01-31

This document supersedes EN 61355-1:2008 and all of its amendments and corrigenda (if any).

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

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Endorsement notice

The text of the International Standard IEC 81355-1:2024 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 standard indicated:

IEC 62023:2011	NOTE	Approved as EN 62023:2012 (not modified)
IEC 82045-1:2001	NOTE	Approved as EN 82045-1:2001 (not modified)
IEC 82045-2:2004	NOTE	Approved as EN 82045-2:2005 (not modified)
ISO 19650-1:2018	NOTE	Approved as EN ISO 19650-1:2018 (not modified)

IEC 81355-1

Edition 1.0 2024-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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HORIZONTAL STANDARD
NORME HORIZONTALE

Industrial systems, installations and equipment and industrial products – Classification and designation of information – Part 1: Basic rules and classification of information

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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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IEC 81355-1 has been prepared by IEC technical committee 3: Documentation, graphical symbols and representations of technical information, in close cooperation with ISO technical committee 10: Technical product documentation.

It is published as a double logo standard and has the status of a horizontal publication in accordance with IEC Guide 108.

This edition cancels and replaces the second edition of IEC 61355-1 published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 61355-1:2008:

a) focusing on classification of information rather that classification of document kinds;
b) introduced a classification scheme based on inherent content of information;
c) introduced a distinction between an information container and a document, the latter being for human perception;
d) introduction of information kind classification code (ICC), replacing document kind classification code (DCC);
e) introduced structuring of information containers;
f) introduced an information model of the concepts dealt with;
g) introduced a conversion table for merging from the use of DCC to the use of ICC.

The text of this International Standard is based on the following documents:

Draft	Report on voting
3/1651/FDIS	3/1680/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table. In ISO, the standard has been approved by 9 members out of 10 having cast a vote.

The language used for the development of this International Standard is English.

A list of all parts in the IEC 81355 series, published under the general title *Industrial systems, installations and equipment and industrial products – Classification and designation of information*, can be found on the IEC website.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

In this document, *italic type* is used as follows:

- terms defined in Clause 3 (applies to the text in Clause 3 only);
- in the description of the EXPRESS model, entity names and attribute identifiers.

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

- reconfirmed,
- withdrawn, or
- revised.

IMPORTANT – The "colour inside" logo on the cover page of this document indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

Information is necessary for all activities during the life cycle of industrial systems, installations, equipment and industrial products. It may be produced in any phase or activity. Information may be received from and delivered to other parties, and different parties may need different information for the same object, depending on what is most suitable for their need.

This document is based on IEC 61355-1:2008 and the IEC 61355 DB standards, but it is now a new joint ISO and IEC document. As a new joint document, this document clarifies key concepts related to information and the designation of sets of information exchanged between parties, as represented by the focus on classification of information and the shift in focus from "documents" to "information containers".

Notably the paper-based presentation of information that was used as a basis for classification in IEC 61355-1:2008 is no longer present in this document. Instead, this document provides "information kind classification codes (ICC)" to be used in the designation of information containers, thereby replacing the previous "document kind class codes (DCC)" of IEC 61355-1:2008.

One aim of this document is to support the unambiguous exchange of information for the purpose of communication and understanding between parties. For this purpose, what the set of information is called in daily life is disregarded. Instead, the basis of understanding is based on a classification of the kind of information managed and exchanged between parties.

Another aim of this document is to set up rules for a specific method of correlating information and objects, i.e., to indicate to which object a specific set of information relates. For this purpose, a concept for designation of information containers is provided. Also, a concept for relating information containers to one or more objects is provided. By this, support is also provided for the structuring, storage and retrieval of information based on the information content of an information container and the object to which the information relates.

INDUSTRIAL SYSTEMS, INSTALLATIONS AND EQUIPMENT AND INDUSTRIAL PRODUCTS – CLASSIFICATION AND DESIGNATION OF INFORMATION –

Part 1: Basic rules and classification of information

1 Scope

This part of the 81355 International Standard, published jointly by IEC and ISO, provides rules and guidelines for the classification and designation of information containers based on their inherent content. This document is applicable for information used in the life cycle of a system, e.g., industrial plants, construction entities and equipment.

This document defines classes of information and their information kind classification code (ICC). The defined classes and codes provided are used as values associated with metadata, e.g., in information management systems (see IEC 82045-1 and IEC 82045-2).

The rules, guidelines and classes are general and are applicable to all technical areas, for example, mechanical engineering, electrical engineering, construction engineering and process engineering. They can be used for systems based on different technologies or for systems combining several technologies.

This document also has the status of a horizontal publication in accordance with IEC Guide 108. It is intended for use by technical committees in preparation of publications related to classification and designation of information.

2 Normative references

There are no normative references in this document.