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Document kinds for Electrical and Instrumentation
Projects in the Process Industry

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 01.110; 25.040.40

English Version

Document kinds for Electrical and Instrumentation Projects in the
Process Industry
(IEC 62708:2015)

Types de documents pour les projets relatifs aux systèmes
électriques et aux instruments de fonctionnement dans
l'industrie de transformation
(IEC 62708:2015)

Dokumente für die Elektro- und Leittechnik-Planung in
Projekten der verfahrenstechnischen Industrie
(IEC 62708:2015)

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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 65/580/FDIS, future edition 1 of IEC 62708, prepared by IEC TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62708:2015.

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) 2016-01-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-04-01

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Endorsement notice

The text of the International Standard IEC 62708:2015 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:

ISO 7200	NOTE	Harmonized as EN ISO 7200.
IEC 81346-1	NOTE	Harmonized as EN 81346-1.

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 60079-10-1	-	Explosive atmospheres -- Part 10-1: Classification of areas - Explosive gas atmospheres	EN 60079-10-1	-
IEC 60079-11	-	Electrical apparatus for explosive gas atmospheres -- Part 11: Intrinsic safety "i"	-	-
IEC 60617	-	Standard data element types with associated classification scheme for electric components -- Part 4: IEC reference collection fo standard data element types and component classes	-	-
IEC 61082-1	-	Preparation of documents used in electrotechnology - Part 1: Rules	EN 61082-1	-
IEC 61131-3	-	Programmable controllers - Part 3: Programming languages	EN 61131-3	-
IEC 61355	series	Classification and designation of documents for plants, systems and equipment	EN 61355	series
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 61511	series	Functional safety - Safety instrumented systems for the process industry sector -- Part 2: Guidelines for the application of IEC 61511-1	EN 61511	series
IEC 61987-10	-	Industrial-process measurement and control - Data structures and elements in process equipment catalogues -- Part 10: Lists of properties (LOPs) for industrial-process measurement and control for electronic data exchange - Fundamentals	EN 61987-10	-
-	-		+AC	-
IEC 62337	-	Commissioning of electrical, instrumentation and control systems in the process industry - Specific phases and milestones	EN 62337	-
IEC 62381	-	Automation systems in the process industry - Factory acceptance test (FAT), site acceptance test (SAT) and site integration test (SIT)	EN 62381	-

IEC 62424	-	Representation of process control engineering - Requests in P&I diagrams and data exchange between P&ID tools and PCE-CAE tools	EN 62424	-
IEC 82079-1	-	Preparation of instructions for use - Structuring, content and presentation -- Part 1: General principles and detailed requirements	EN 82079-1	-
ISO 10006	-	Quality management systems_ - Guidelines for quality management in projects		-
ISO 10628	-	Flow diagrams for process plants -- General rules	EN ISO 10628	-

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INTRODUCTION

The engineering in the process industry is driven by international cooperation. Due to economic reasons, special know-how, special licence, authorization or simply capacity utilisation the work is split between partners. They will arrange their cooperation for each individual project differently. This requires well defined split of work and responsibilities. Documents are the basis for these definitions since they are the result of any engineering work.

If there is only the name of a document without further description of form and content, it will be likely that each partner develops their own view of the result of their efforts. Therefore, for each project the definition of deliverable documents is a major issue. The name of a document is often used for similar but in detail different documents. This standard will take the most commonly used name from synonymous names as the document kind name, intending to make other alternatives obsolete.

The first aim of this standard is to avoid misunderstandings and erroneous elaboration of documents in order to reduce additional corrective works and expenses for clarification between partners.

The second aim is to provide the convenience of document handling by using the IEC 61355 database. This standard will provide document kind names, document kind classification codes specified by IEC 61355, and some templates.

To cover these aims, we specify individual document kind names, but do not specify which documents are mandatory or optional.

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