



SLOVENSKI STANDARD
oSIST prEN ISO 10628-1:2013
01-april-2013

Sheme za kemijsko in petrokemijsko industrijo - 1. del: Opredelitev shem (ISO/DIS 10628-1:2013)

Diagrams for the chemical and petrochemical industry - Part 1: Specification of diagrams (ISO/DIS 10628-1:2013)

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Schémas de procédé pour l'industrie chimique et pétrochimique - Partie 1: Spécification des schémas de procédé (ISO/DIS 10628-1:2013)

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Ta slovenski standard je istoveten z: prEN ISO 10628-1

ICS:

01.080.30	Grafični simboli za uporabo v risbah, diagramih, načrtih, zemljevidih v strojništvu in gradbeništvu ter v ustrezni tehnični proizvodni dokumentaciji	Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
71.020	Proizvodnja v kemijski industriji	Production in the chemical industry

oSIST prEN ISO 10628-1:2013

en

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN ISO 10628-1 rev

February 2013

ICS

Will supersede EN ISO 10628:2000

English Version

Diagrams for the chemical and petrochemical industry - Part 1: Specification of diagrams (ISO/DIS 10628-1:2013)

Schémas de procédé pour l'industrie chimique et
pétrochimique - Partie 1: Spécification des schémas de
procédé (ISO/DIS 10628-1:2013)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/SS F01.

If this draft becomes a European Standard, CEN 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.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (prEN ISO 10628-1:2013) has been prepared by Technical Committee ISO/TC 10 "Technical product documentation".

This document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 10628:2000.

Endorsement notice

The text of ISO/DIS 10628-1:2013 has been approved by CEN as prEN ISO 10628-1:2013 without any modification.

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DRAFT INTERNATIONAL STANDARD ISO/DIS 10628-1

ISO/TC 10/SC 10

Secretariat: DIN

Voting begins on
2012-12-13Voting terminates on
2013-05-13

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Diagrams for the chemical and petrochemical industry

Part 1: Specification of diagrams

*Schémas de procédé pour l'industrie chimique et pétrochimique —
Partie 1: Spécification des schémas de procédé*

[Revision of first edition (ISO 10628:1997)]

ICS 01.110; 71.020; 75.020

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https

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

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ISO/DIS 10628-1

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 10628-1 was prepared by Technical Committee ISO/TC 10, *Technical product documentation*, Subcommittee SC 10, *Process plant documentation*.

This second/third/... edition cancels and replaces the first/second/... edition (), [clause(s) / subclause(s) / table(s) / figure(s) / annex(es)] of which [has / have] been technically revised.

ISO 10628 consists of the following parts, under the general title *Diagrams for chemical and petrochemical industry*:

- *Part 1: Specifications of diagrams*
- *Part 2: Graphical symbols*

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Diagrams for chemical and petrochemical industry — Part 1: Specifications of diagrams

1 Scope

This standard specifies the classification, content and representation of flow diagrams. In addition, it lays down rules for drafting flow diagrams for chemical and petrochemical industry.

This standard does not apply to electrical engineering flow diagrams. This standard is a collective application standard of ISO 15519

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.

ISO 128 (all parts), *Technical drawings - General principles of presentation*

ISO 3098-2:2000-11, *Technical product documentation - Lettering - Part 2: Latin alphabet, numerals and marks*

ISO 5457:1999-02, *Technical product documentation - Sizes and layout of drawing sheets*

ISO 7200:2004-02, *Technical product documentation – Data fields in title blocks and document headers*

ISO 10209 (all parts), *Technical product documentation; vocabulary*

ISO 14617 (all parts), *Graphical symbols for diagrams*

ISO 15519 (all parts), *Specification for diagrams for process industry*

ISO 80000 (all parts), *Quantities and units*

ISO 80416-2:2001-07, *Basic principles for graphical symbols for use on equipment - Part 2: Form and use of arrows*

IEC 62424:2008-08, *Representation of process control engineering requests in P&I diagrams and data exchange between P&ID tools and PCE-CAE tools*

3 Terms and definitions

For the purposes of this document, the terms and definitions specified in ISO 10209 (all parts), ISO 14617 (all parts), ISO 15519 (all parts) and IEC 62424 apply.

4 Classification, information content and presentation of flow diagrams

4.1 General

Flow diagrams show the structure and function of the process plants and are part of the entire set of technical documents which are required for planning, assembly, construction, management, commissioning, operation, maintenance, shutdown and decommissioning of a plant.