

Grafiske skemasymboler – Del 1: Generelle regler

Graphical symbols for diagrams –
Part 1: General rules

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 10, *Technical product documentation*, Subcommittee SC 10, *Process plant documentation*.

This third edition cancels and replaces the second edition ([ISO 14617-1:2005](#)), which has been technically revised.

The main changes are as follows:

- [Clause 3](#) terms and definitions were changed;
- "GSD" was added in front of registration numbers;
- symbols using letter codes are not included in the revised [ISO 14617 series](#) because the definition of letter codes moved to [ISO 15519-2](#);
- structuring of the presentation of graphical symbols has been changed in order to improve the user's access to navigate and find symbols;
- annexes have been reconstructed.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

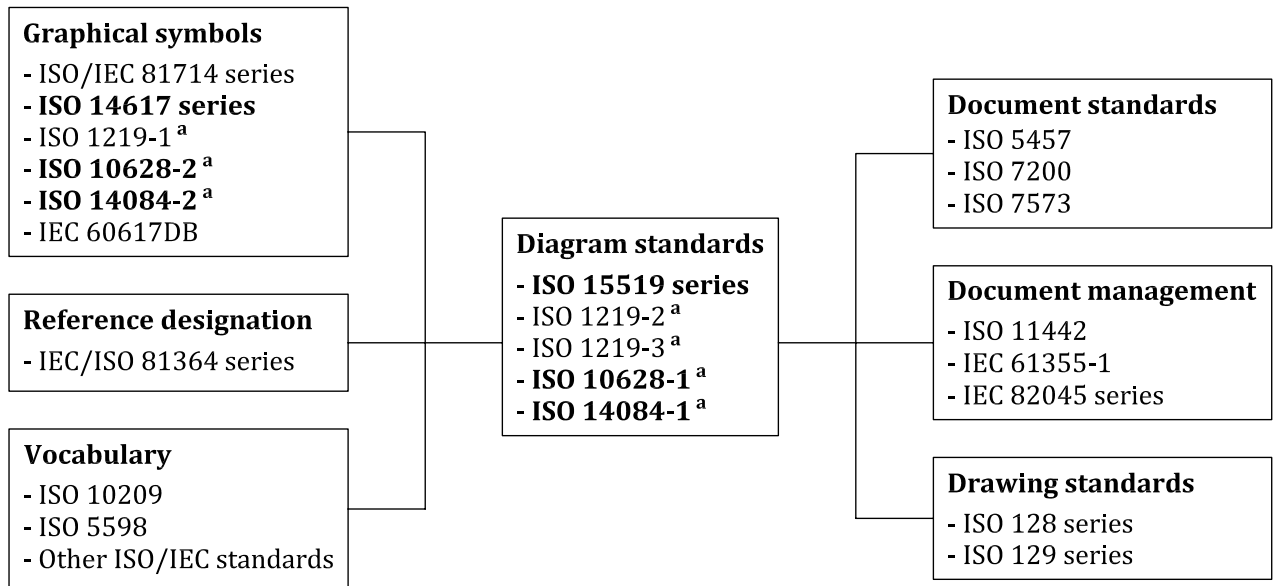
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Introduction

0.1 General

ISO/TC 10 prepares standards for diagrams including graphical symbols, which together with International Standards prepared by other ISO committees and the IEC constitute the basis for the preparation of diagrams.

The interrelations between these International Standards are illustrated in [Figure 1](#). Standards in bold are ISO/TC 10 standards.



Key

^a Collective application standards.

Figure 1 — Interrelations between ISO and IEC standards for diagrams

0.2 Collective application standards

Technical committees, requiring a field specific standard, can, in co-operation with ISO/TC 10, develop their own collective application standard for the preparation of diagrams and graphical symbols as per the requirements given in [ISO 15519-1](#) or [ISO 14617](#), or both. Collective application standards are not to be contradictory with respect to the source standard(s).

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Graphical symbols for diagrams —

Part 1: General rules

1 Scope

This document specifies general rules for and gives guidance on the preparation and presentation of graphical symbols for diagrams, which are related to physical industrial components, products and processing.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 81714-1](#), *Design of graphical symbols for use in the technical documentation of products — Part 1: Basic rules*