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Edition 2.0 2022-09

INTERNATIONAL STANDARD

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HORIZONTAL PUBLICATION

Graphical symbols for use on equipment – Guidelines for the inclusion of graphical symbols in iec publications

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GRAPHICAL SYMBOLS FOR USE ON EQUIPMENT – GUIDELINES FOR THE INCLUSION OF GRAPHICAL SYMBOLS IN IEC PUBLICATIONS

FOREWORD

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IEC 62648 has been prepared by subcommittee 3C: Graphical symbols for use on equipment, of IEC technical committee 3: Documentation, graphical symbols and representations of technical information. It is an International Standard.

This second edition cancels and replaces the first edition published in 2012 and Amendment 1:2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) new terms and definitions in IEC Guide 108 have been incorporated;
b) the designation "IEC 60417 SDB" has been introduced following the publication of IEC Supplement:2022, Annex SK;
c) Subclause 6.3 has been adapted in line with IEC Guide 108:2019, Clause 8.

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

Draft	Report on voting
3C/2497/CDV	3C/2525/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

It has the status of a horizontal publication in accordance with IEC Guide 108.

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

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.

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- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

A graphical symbol is defined as a visually perceptible figure with a particular meaning used to transmit information independently of language. Graphical symbols are used on equipment for a wide range of purposes. The understanding of such symbols can be improved by consistent design. This is particularly important where families of symbols are used in one location or on similar equipment. Good design also helps to maintain the legibility of graphical symbols when they are reduced to small dimensions for application. Thus, there is a need for those involved in technical works to collaborate with experts in subcommittee 3C: Graphical symbols for use on equipment, of IEC technical committee 3: Documentation, graphical symbols and representations of technical information (SC 3C) responsible for developing and maintaining graphical symbols for use on equipment to be standardized in the horizontal publication IEC 60417.

This document is intended for IEC committees working on graphical symbols for use on equipment to be included in their product publications. It provides them with guidelines and requirements on how to create their own graphical symbols for use on equipment as well as on how to consult SC 3C so that these symbols are also included in advance or in parallel in IEC 60417.

This document provides commonly agreeable procedures in SC 3C and in other committees developing product publications, including graphical symbols for use on equipment in accordance with IEC Guide 108.