

This is a preview - click here to buy the full publication



IEC TR 62964

Edition 1.0 2015-05

TECHNICAL REPORT



Graphical symbols for use on equipment – Graphical symbols for multimedia equipment – Current practice

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 01.080.20; 33.160.60

ISBN 978-2-8322-2644-5

Warning! Make sure that you obtained this publication from an authorized distributor.

CONTENTS

FOREWORD	3
INTRODUCTION	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Current practice	7
4.1 General	7
4.2 Current practice for control	7
4.3 Current practice for indication	10
Bibliography	14
Table 1 – Current practice for controls	8
Table 2 – Current practice for indication	11

INTERNATIONAL ELECTROTECHNICAL COMMISSION

GRAPHICAL SYMBOLS FOR USE ON EQUIPMENT – GRAPHICAL SYMBOLS FOR MULTIMEDIA EQUIPMENT – CURRENT PRACTICE

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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

The main task of IEC technical committees is to prepare International Standards. However, a technical committee may propose the publication of a technical report when it has collected data of a different kind from that which is normally published as an International Standard, for example "state of the art".

IEC TR 62964, which is a Technical Report, has been prepared by subcommittee 3C: Graphical symbols for use on equipment, of IEC technical committee 3: Information structures and elements, identification and marking principles, documentation and graphical symbols.

The text of this Technical Report is based on the following documents:

Enquiry draft	Report on voting
3C/1953/DTR	3C/2006/RVC

Full information on the voting for the approval of this Technical Report can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

In this Technical Report, the following type is used:

– *terms defined in Clause 3: in italic type*

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

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

A bilingual version of this publication may be issued at a later date.

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

INTRODUCTION

The first edition of IEC 60417, *Graphical symbols for use on equipment*, was published in 1973. Since then the publication has been maintained and updated continuously, mainly by adding new graphical symbols in order to meet the requirements of technical committees and subcommittees within the IEC as well as ISO/IEC JTC 1 together with industries.

This Technical Report thus includes classical graphical symbols targeted to specific application areas as well as basic graphical symbols for general application.

In the era of information communication technology (ICT), new graphical symbols for use on such equipment as multimedia equipment have been in strong demand for standardization. These graphical symbols are not only printed, engraved, embossed, or moulded on the equipment, but also used on screens and displays. In the latter case, the appearance of a graphical symbol is dynamically changed to indicate a state of the equipment.

This Technical Report intends to highlight current tendency and practice of using graphical symbols for use on equipment.

GRAPHICAL SYMBOLS FOR USE ON EQUIPMENT – GRAPHICAL SYMBOLS FOR MULTIMEDIA EQUIPMENT – CURRENT PRACTICE

1 Scope

This Technical Report provides the result of a study of some of the *graphical symbols* for use on *equipment* standardized in IEC 60417 being primarily intended to:

- identify the *equipment* or a part of the *equipment* (e.g. a control or display);
- indicate a functional state (e.g. on, off, alarm);
- designate connections (e.g. terminals, filling points for materials);
- provide information on packaging (e.g. identification of contents, instructions for handling);
- provide instruction for the operation of the *equipment* (e.g. limitations of use);

in the focus of contemporary use of *graphical symbols* for use on multimedia *equipment*, and new possible meanings to be envisaged as well as new *graphical symbols* not yet standardized in IEC 60417.

2 Normative references

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.

None.