

Australian Standard™

**Graphical symbols for use on  
equipment**

**Part 1: Overview and application**

This Australian Standard was prepared by Committee TE-013, Symbols, Units and Quantities for Electrotechnology. It was approved on behalf of the Council of Standards Australia on 18 March 2004.  
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### Part 1: Overview and application

Originated as AS 1104—1978.  
Revised and redesignated as AS 60417.1—2004.

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-013, Symbols, Units and Quantities for Electrotechnology, to supersede, in part, AS 1104—1978, *Informative symbols for use on electrical and electronic equipment*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard is identical with and reproduced from IEC 60417-1:2002, *Graphical symbols for use on equipment, Part 1: Overview and application*.

The objective of this Standard is to provide designers, manufacturers and users of electrotechnical equipment with uniform symbols for informative purposes to enable the operation and proper functioning of machinery, appliances and equipment.

This Standard is part of a series, the designations and Part titles being as follows:

AS/IEC

60417.1 Part 1: Overview and application (this Standard)

60417.2.1 Part 2.1: General Application

60417.2.2 Part 2.2: Audiovisual equipment

60417.2.3 Part 2.3: Telephone and communications

60417.2.4 Part 2.4: Maritime navigation

60417.2.5 Part 2.5: Home electric devices

60417.2.6 Part 2.6: Medical equipment

60417.2.7 Part 2.7: Safety aspects

This Standard includes the alphabetical, pictorial and numerical indexes for the symbols. The description and purpose of the symbols is provided with the numerical index. Lists of symbols by function are also provided. It should be noted that these symbols are not intended to be used to represent electrical components in circuit diagrams or the like; symbols for this purpose are the subject of AS/NZS 1102, *Graphical symbols for electrotechnology* (series).

As this Standard is reproduced from an international Standard, the following applies:

- (a) The French text has been retained.
- (b) Its number appears on the cover and title page while the international Standard number appears only on the cover.
- (c) In the source text, ‘this International Standard’ should read ‘this Australian Standard’.
- (d) A full point substitutes for a comma when referring to a decimal marker.

References to international Standards should be replaced by equivalent Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
60050(441)	International Electrotechnical Vocabulary (IEV) Chapter 441: Switchgear, control-gear and fuses	1852 1852.441	International Electrotechnical Vocabulary Switchgear, controlgear and fuses
60204-1	Safety of machinery—Electrical equipment of industrial machines Part 1: General requirements	—	

<i>Reference to International Standard</i>		<i>Australian Standard</i>
IEC		AS
80416-1	Basic principles for graphical symbols for use on equipment Part 1: Creation of original symbols	—
60601-1	Medical electrical equipment Part 1: General requirements for safety	—
60747-1	Semiconductor devices—Discrete device Part 1: General	—
61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements	—
61310-1	Safety of machinery — Indication, marking and actuation Part 1: Requirements for visual, auditory and tactile signals	—
3864	Safety colours and safety signs	—
7000	Graphical symbols for use on equipment — Index and synopsis	—
ITU-T		
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