

Australian/New Zealand Standard™

**Safety of machinery**

**Part 1905: Displays, controls, actuators  
and signals—Indication, marking and  
actuation—Requirements for marking**



## **AS/NZS 4024.1905:2014**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-041, General Principles for the Guarding of Machinery. It was approved on behalf of the Council of Standards Australia on 5 June 2014 and on behalf of the Council of Standards New Zealand on 24 April 2014. This Standard was published on 30 June 2014.

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The following are represented on Committee SF-041:

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Australian Manufacturing Workers Union  
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Department of the Premier and Cabinet, SA  
Engineers Australia  
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Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

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*This Standard was issued in draft form for comment as DR AS/NZS 4024.1905.*

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# Australian/New Zealand Standard™

## Safety of machinery

### Part 1905: Displays, controls, actuators and signals—Indication, marking and actuation—Requirements for marking

Originated in Australia as part of AS 4024.1(Int)—1992.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-041, General Principles for the Guarding of Machinery, to supersede AS 4024.1905—2006.

It is emphasized that this Standard is part of the AS(/NZS) 4024.1 series and it is imperative that it is used in conjunction with other applicable parts of the series. A complete listing of all current parts of the AS(/NZS) 4024.1 series can be found at the Standards Australia website <www.standards.org.au> and in AS/NZS 4024.1100, *Safety of machinery*, Part 1100: *Application Guide*.

The objective of this Standard is to specify requirements for the marking of machinery. It gives general rules on marking for identification of machinery, for safe use relating to mechanical and electrical hazards, and for the avoidance of hazards arising from incorrect connections.

This Standard is identical with, and has been reproduced from IEC 61310-2, Ed. 2.0 (2007), *Safety of machinery—Indication, marking and actuation*, Part 2: *Requirements for marking*.

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

- (a) In the source text ‘this part of IEC 61310’ should read ‘this Australian/New Zealand Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
ISO	AS/NZS
12100 Safety of machinery—Basic concepts, general principles for design	4024 Safety of machinery
12100-1 Part 1: Basic terminology, methodology	4024.1201 Part 1201: General principles for design—Risk assessment and risk reduction
12100-2 Part 2: Technical principles	4024.1201 Part 1201: General principles for design—Risk assessment and risk reduction
IEC	AS
60204 Safety of machinery—Electrical equipment of machines	60204 Safety of machinery—Electrical equipment of machines
60204-1 Part 1: General requirements	60204.1 Part 1: General requirements (IEC 60204-1, Ed. 5 (FDIS) MOD)
	AS/NZS
61310 Safety of machinery—Indication, marking and actuation	4024 Safety of machinery
61310-1 Part 1: Requirements for visual, acoustic and tactile signals	4024.1904 Part 1904: Displays, controls, actuators and signals—Indication, marking and actuation—Requirements for visual, auditory and tactile signals

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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## AUSTRALIAN/NEW ZEALAND STANDARD

**Safety of machinery**

## Part 1905:

## Displays, controls, actuators and signals—Indication, marking and actuation—Requirements for marking

**1 Scope**

This part of IEC 61310 specifies requirements for the marking of machinery.

It gives general rules on marking for identification of machinery, for safe use related to mechanical and electrical hazards, and for the avoidance of hazards arising from incorrect connections.

**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.

IEC 60027-1:1992, *Letter symbols to be used in electrical technology – Part 1: General*

IEC 60027-2:2005, *Letter symbols to be used in electrical technology – Part 2: Telecommunications and electronics*

IEC 60027-3:2002, *Letter symbols to be used in electrical technology – Part 3: Logarithmic and related quantities, and their units*

IEC 60027-4:1985, *Letter symbols to be used in electrical technology – Part 4: Symbols for quantities to be used for rotating electrical machines*

IEC 60079-0:2004, *Electrical apparatus for explosive gas atmospheres – Part 0: General requirements*

IEC 60204-1:2005, *Safety of machinery – Electrical equipment of machines – Part 1: General requirements*

IEC 60417-DB, *Graphical symbols for use on equipment*

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*  
Amendment 1 (1999)

IEC 61310-1, *Safety of machinery – Indication, marking and actuation – Part 1: Requirements for visual, acoustic and tactile signals*

ISO 31-0:1992, *Quantities and units – Part 0: General principles*

ISO 1000:1992, *SI units and recommendations for the use of their multiples and of certain other units*