

Australian/New Zealand Standard™

Safety of machinery

Part 1401: Ergonomic principles— Design principles—Terminology and general principles

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AS/NZS 4024.1401:2014

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.

The following are represented on Committee SF-041:

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Australian Manufacturing Workers Union
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Engineers Australia
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This Standard was issued in draft form for comment as DR AS/NZS 4024.1401.

AS/NZS 4024.1401:2014

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Part 1401: Ergonomic principles— Design principles—Terminology and general principles

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

Previous edition AS 4024.1401—2006.

Jointly revised and designated as AS/NZS 4024.1401:2014.

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ISBN 978 1 74342 757 6

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 4024.1401—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 establish the ergonomic principles to be followed during the process of design of machinery. It applies to the interactions between operators and machinery when installing, operating, adjusting, maintaining, cleaning, dismantling, repairing or transporting equipment, and outlines the principles to be followed in taking the health, safety and wellbeing of the operator into account. It provides a framework within which the range of more specific ergonomic Standards of this series (i.e. AS/NZS 4024.1901 to AS/NZS 4024.1907) is recommended to be applied.

This Standard is identical with, and has been reproduced from EN 614-1:2006, *Safety of machinery—Ergonomic design principles*, Part 1: *Terminology and general principles*, and its Amendment 1 (2009). The start and finish of text introduced or altered by amendment is indicated in the text by the tags A1 A1.

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- (a) In the source text ‘this European Standard’ should read ‘this Australian/New Zealand Standard’.
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<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
EN	AS/NZS
894 Safety of machinery—Ergonomics requirements for the design of displays and control actuators	4024 Safety of machinery
894-3 Part 3: Control actuators	4024.1903 Part 1903: Displays, controls, actuators and signals—Ergonomic requirements for the design of displays and control actuators—Control actuators
EN ISO	
12100 Safety of machinery—Basic concepts, general principles for design	
12100-1 Part 1: Basic terminology, methodology (ISO 12100-1:2003)	4024.1201 Part 1201: General principles for design—Risk assessment and risk reduction
12100-2 Part 2: Technical principles (ISO 12100-2:2003)	4024.1201 Part 1201: General principles for design—Risk assessment and risk reduction
14121 Safety of machinery—Risk assessment	
14121-1 Part 1: Principles (ISO 14121-1:2007)	4024.1201 Part 1201: General principles for design—Risk assessment and risk reduction

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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