

Australian/New Zealand Standard™

Safety of machinery

Part 1903: Displays, controls, actuators and signals—Ergonomic requirements for the design of displays and control actuators—Control actuators

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AS/NZS 4024.1903:2014

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 4 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:

Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Manufacturing Workers Union
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Department of the Premier and Cabinet, SA
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Federal Chamber of Automotive Industries
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Part 1903: Displays, controls, actuators and signals—Ergonomic requirements for the design of displays and control actuators—Control actuators

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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 4024.1903—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 give guidance on the selection, design and location of control actuators so that they are adapted to the requirements of the operators, are suitable for the task in question and take account of the circumstances of their use. It applies to manual control actuators used in equipment for occupational and private use.

This Standard is identical with, and has been reproduced from EN 894-3:2000, *Safety of machinery—Ergonomics requirements for the design of displays and control actuators*, Part 3: *Control actuators*, and its Amendment 1 (2008). The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

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

- (a) In the source text ‘this European Standard’ should read ‘this Australian/New Zealand Standard’.
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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>	
EN		AS/NZS	
292	Safety of machinery—Basic concepts, general principles for design	4024	Safety of machinery
292-1	Part 1: Basic terminology, methodology	4024.1201	Part 1201: General principles for design—Risk assessment and risk reduction
292-2	Part 2: Technical principles and specifications	4024.1201	Part 1201: General principles for design—Risk assessment and risk reduction
		AS	
574	Safety of machinery—Two hand control devices—Functional aspects—Principles for design	4024.2601	Part 2601: Design of controls, interlocks and guarding—Two-hand control devices—Functional aspects and design principles
		AS/NZS	
614	Safety of machinery—Ergonomic design principles		
614-1	Part 1: Terminology and general principles	4024.1401	Part 1401: Ergonomic principles—Design principles—Terminology and general principles

EN		AS/NZS
894	Safety of machinery—Ergonomics requirements for the design of displays and control actuators	
894-1	Part 1: General principles for human interactions with displays and control actuators	4024.1901 Part 1901: Displays, controls, actuators and signals—Ergonomic requirements for the design of displays and control actuators—General principles for human interactions with displays and control actuators
894-2	Part 2: Displays	4024.1902 Part 1902: Displays, controls, actuators and signals—Ergonomic requirements for the design of displays and control actuators—Displays
1050	Safety of machinery—Risk assessment	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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