

AS/NZS 4024.1401:2014  
EN 614-1:2006+A1:2009

AS/NZS 4024.1401:2014

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**

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AS/NZS 4024.1401:2014

# Australian/New Zealand Standard™

## Safety of machinery

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

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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 4024.1401—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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| <i>Reference to International Standard</i> |  | <i>Australian/New Zealand Standard</i> |  |
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| 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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