AS 4024.1101—2006

Australian Standard™

Safety of machinery

Part 1101: Terminology—Terms and definitions

This Australian Standard was prepared by Committee SF-041, General Principles for the Guarding of Machinery. It was approved on behalf of the Council of Standards Australia on 28 April 2006.
This Standard was published on 29 June 2006.

The following are represented on Committee SF-041:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Department for Administration and Information Services, SA
Department of Consumer and Employment Protection, WorkSafe Division, WA
Department of Primary Industries, Mine Safety, NSW
Engineers Australia
Federal Chamber of Automotive Industries
Human Factors and Ergonomics Society of Australia
Institution of Instrumentation, Control and Automation Australia
National Electrical and Communications Association
National Safety Council of Australia
Office of the Australian Safety and Compensation Council
Safety Institute of Australia
The University of Melbourne
Tractor and Machinery Association of Australia
Victorian WorkCover Authority

This Standard was issued in draft form for comment as DR 05436.

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Originated as part of AS 4024.1(Int)—1992.
Previous edition part of AS 4024.1—1996.
Revised in part and redesignated as AS 4024.1101—2006.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7419 9

PREFACE

This Standard was prepared by the Standards Australia Committee SF-041, General Principles for the Guarding of Machinery, as a revision (in part) of AS 4024.1—1996, *Safeguarding of machinery*, Part 1: *General principles*.

During its work, the Committee considered a number of standards dealing with the safety of machinery originating within the European Community. Many of these European Standards are being adopted virtually unchanged as International Standards by the International Organization for Standardization (ISO), and the committee has agreed to continue to use material emanating from both CEN and ISO in this new edition, to maintain consistency with previous editions of AS 4024.1, and other, machine-specific Australian Standards currently under development.

This edition has been published as a series of small parts rather than the single part of AS 4024.1 previously available. In doing this, the Committee has cleared the way for simple revisions in the future. When a new edition of a relevant EN or ISO Standard becomes available, it can be adopted and published within the framework of AS 4024 with a minimum delay, so ensuring continued international alignment.

When safety of operators and others having a need to be near machinery is under consideration, it is of critical importance that the parties involved clearly understand the intended meaning of terms likely to be used. This is especially true when the terms are being used in relation to a machine, or equipment being purchased from a non-English speaking country.

The terminology used in this Standard, has been gathered from a number of machinery safety Standards, to provide a common source of terms and their definitions, for use when the safety of machinery is being considered.

The definitions are closely based on and are intended to have an identical meaning with the terms and definitions appearing in EN 1070, *Safety of machinery—Terminology.*

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STANDARDS AUSTRALIA

Australian Standard
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Part 1101: Terminology—Terms and definitions

1 SCOPE

This Standard provides users with a set of terms and definitions which are intended for use within other machinery safety Standards, as well as during discussions relating to machinery safety.

2 OBJECTIVE

The objective of this Standard is to provide designers, manufacturers, suppliers employers and users of this Standard with terms and definitions for use in relation to safety of machinery.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS	
4024	Safety of machinery
4024.1201	Part 1201: General principles—Basic terminology and methodology
4024.1202	Part 1202: General principles—Technical principles
4024.1301	Part 1301: Risk assessment—Principles for risk assessment
4024.1601	Part 1601: Design of controls, interlocks and guarding—Emergency stop—Principles for design
ISO	
13855	Safety of machinery—Positioning of protective equipment with respect to the approach speeds of parts of the human body

4 TERMS AND DEFINITIONS FOR SAFETY OF MACHINERY

4.1 Actuator

4.1.1 *Actuator*

The part of the actuating system to which an external actuating force is applied.

NOTES:

1 The actuator may take the form of a handle, knob, push-button, roller, plunger, etc.

2 There are some actuating means that do not require an external actuating force but only an action.

4.1.2 *Machine actuator*

A power mechanism used to effect motion of the machine.

4.1.3 *Manual control actuator*

That component of the control device which, when operated, activates the control device, and is designed to be operated by a person (see AS 4024.1601).

