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AS 4024.3302:2017
ISO 10218-2:2011

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Australian STANDARD

Safety of machinery

Part 3302: Robots and robotic devices—Safety requirements for industrial robots—Robot systems and integration

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- Australian Manufacturing Workers Union
- Department of Industry, Skills and Regional Development, NSW
- Engineers Australia
- Human Factors and Ergonomics Society of Australia
- Institute of Instrumentation, Control and Automation, Australia
- National Safety Council of Australia
- Safety Institute of Australia
- SafeWork NSW
- The University of Melbourne
- Workplace Health and Safety Queensland
- WorkSafe Victoria

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PREFACE

This Standard was prepared by the Standards Australia Committee SF-041, Safety of Machinery.

The objective of this Standard is to specify safety requirements for the integration of industrial robots and industrial robot systems, as defined in ISO 10218-1:2011, and industrial robot cell(s). The integration includes the following:

(a) The design, manufacturing, installation, operation, maintenance and decommissioning of the industrial robot system or cell.

(b) Necessary information for the design, manufacturing, installation, operation, maintenance and decommissioning of the industrial robot system or cell.

(c) Component devices of the industrial robot system or cell.

It describes the basic hazards and hazardous situations identified with these systems, and provides requirements to eliminate or adequately reduce the risks associated with these hazards.

This Standard is identical with, and has been reproduced from ISO 10218-2:2011, *Robots and robotic devices—Safety requirements for industrial robots*, Part 2: *Robot systems and integration*.

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

(i) In the source text 'this part of ISO 10218' should read 'this Australian Standard'.

(ii) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the annex to which they apply. A 'normative' annex is an integral part of a Standard, whereas an 'informative' annex is only for information and guidance.

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