

SINGAPORE STANDARD

Robots and robotic devices – Vocabulary



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The Manufacturing Standards Committee, appointed by the Standards Council, consists of the following members:

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Ministry of Manpower
National University of Singapore
OMRON Electronics Pte Ltd
Singapore Industrial Automation Association
Singapore Institute of Manufacturing Technology
Singapore University of Technology and Design
Temasek Polytechnic
Universal Robots Pte Ltd
Yaskawa Electric (Singapore) Pte Ltd
Zacobria Pte Ltd

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National Foreword

This Singapore Standard was prepared by the Working Group on Safety Requirements for Industrial Robots appointed by the Technical Committee on Automation, Robotics and Precision Engineering under the direction of the Manufacturing Standards Committee.

This standard is identical with ISO 8373:2012, published by the International Organization for Standardization.

Where appropriate, the words 'International Standard' shall be read as 'Singapore Standard'.

Attention is also drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 8373 was prepared by Technical Committee ISO/TC 184, *Automation systems and integration*, Subcommittee SC 2, *Robots and robotic devices*.

This second edition cancels and replaces the first edition (ISO 8373:1994), which has been technically revised and expanded to include both industrial robots and service robots. It also incorporates the Amendment ISO 8373:1994/Amd.1:1996 and the Technical Corrigendum ISO 8373:1994/Cor.1:1996.

Introduction

This International Standard specifies vocabulary used in relation with robots and robotic devices operating in both industrial and non-industrial environments. It provides definitions and explanations of the most commonly used terms, which are grouped into clauses by main topics of robotics.

Robots and robotic devices – Vocabulary

1 Scope

This International Standard defines terms used in relation with robots and robotic devices operating in both industrial and non-industrial environments.