

SINGAPORE STANDARD

Mobile robots — Vocabulary



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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
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 Service Robots appointed by the Technical Committee on Automation, Robotics and Precision Engineering which is under the direction of the Manufacturing Standards Committee.

This standard is identical with ISO 19649:2017, published by the International Organization for Standardization.

Attention is 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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This document was prepared by Technical Committee ISO/TC 299, *Robotics*.

Introduction

With the increase of mobile robots in both industrial and non-industrial applications, there is a growing need to define terms relating to mobile robots. ISO 8373 defines fundamental terms relating to robotics, but it does not define terms relating to mobile robots fully. This document defines terms for mobile platforms and mobile robots based on the definitions in ISO 8373:2012.

Mobile robots — Vocabulary

1 Scope

This document defines terms relating to mobile robots that travel on a solid surface and that operate in both industrial robot and service robot applications. It defines terms used for describing mobility, locomotion and other topics relating to the navigation of mobile robots.

2 Normative references

There are no normative references in this document.