BS ISO 18646-1:2016

BSI Standards Publication

Robotics — Performance criteria and related test methods for service robots

Part 1: Locomotion for wheeled robots

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National foreword

This British Standard is the UK implementation of ISO 18646-1:2016.

The UK participation in its preparation was entrusted to Technical Committee AMT/-/2, Robots and robotic devices.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Foreword

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The committee responsible for this document is Technical Committee ISO/TC 299, *Robotics*.

A list of all the parts in the ISO 18646 series can be found on the ISO website.

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Introduction

This document is intended to facilitate understanding of performance of wheeled robots between users and manufacturers. It defines the important performance characteristics, describes how they are specified and recommends how to test them.

The characteristics for which test methods are given in this document are those considered to affect robot performance significantly. Users of this document are intended to select the performance characteristics to be tested, in accordance with the specific requirements.

The performance criteria specified in this document are not intended to be interpreted as the verification or validation of safety requirements. This document deals with indoor environments only.

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