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Robotics — Application of ISO 13482 — Part 1: Safety-related test methods

*Robotique — Application de l'ISO 13482 —
Partie 1: Méthodes d'essai liées à la sécurité*



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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.

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

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Introduction

This document describes test methods used to verify safety criteria of personal care robots. This document is intended to facilitate ISO 13482, which summarizes the safety requirements of personal care robots. This document describes test methods which are guidelines to verify compliance to the requirements of ISO 13482. Together with the other verification and validation methods described in ISO 13482, they are selectively applicable according to the robot design and usage.

At the time of publication, the test methods described in this document have not been implemented or evaluated broadly. Due to a lack of test facilities worldwide able to conduct such tests, it has not been possible to conduct formal round robin tests. Users of this document are therefore advised to apply the tests with care.