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Robotics — Test methods for exoskeleton-type walking RACA robot

Robotique — Méthodes d'essai du robot ambulant RACA de type exosquelette

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Foreword

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Introduction

When IEC 80601-2-78:2019 was published there were no specific test methods to verify the conformity with the standard. This document was developed to supplement IEC 80601-2-78:2019 by specifying test methods to evaluate powered exoskeleton-type walking RACA robots.

Robotics — Test methods for exoskeleton-type walking RACA robot

1 Scope

This document specifies test methods for the exoskeleton-type walking RACA robot used as medical electrical equipment which is intended to move from one location to another, by making reciprocating motion having intermittent contact with the travel surface.

This document does not apply to passive or non-powered exoskeletons.

NOTE These tests can be used to verify conformity with the requirements of IEC 80601-2-78.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60601-1:2005+AMD1:2012+AMD2:2020, *Medical electrical equipment — Part 1: General requirements for basic safety and essential performance*