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Second edition
2022-10

Wheelchairs —

Part 25: Lead-acid batteries and chargers for powered wheelchairs — Requirements and test methods

Fauteuils roulants —

Partie 25: Batteries au plomb et chargeurs pour fauteuils roulants motorisés — Exigences et méthodes d'essai

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Foreword

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This document was prepared by Technical Committee ISO/TC 173, *Assistive products*, Subcommittee SC 1, *Wheelchairs*.

This second edition cancels and replaces the first edition (ISO 7176-25:2013), which has been technically revised.

The main changes are as follows:

— explanations and requirements have been revised;

— requirements for battery chargers have been revised and added in 5.1, 5.2 and 5.3;

— requirements for battery safety and performance have been revised in 6.1 and 6.2;

— the items in test report have been clarified in Clause 7;

— some notes in 4.2, 4.5, and 5.3 have been converted to body text.

A list of all parts in the ISO 7176 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

Since the reliability and performance of an electrically-powered wheelchair depends on the operation, performance and reliability of the battery set and the battery charger, it is important to ensure that wheelchair batteries and chargers are suitable for their purpose and that the wheelchair, batteries and charger are compatible. It is also important to ensure that risks arising from the use of wheelchair batteries and their chargers are eliminated or reduced as far as is practicable. Consequently, it is essential that performance requirements and safety requirements for wheelchair batteries and battery chargers be available.

Battery chargers are divided into three types: off-board, carry-on and on-board. Operating, transport and storage situations can differ for these types, so it is appropriate to apply different requirements to them.

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