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AS/NZS 3696.14:1998

Australian/New Zealand Standard™

Wheelchairs

Part 14: Power and control systems for electric wheelchairs—Requirements and test methods

[Based on and including the full text of ISO 7176-14:1997]

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME/67, Mobility Appliances for People with Disabilities. It was approved on behalf of the Council of Standards Australia on 29 May 1998 and on behalf of the Council of Standards New Zealand on 12 June 1998. It was published on 5 August 1998.

The following interests are represented on Committee ME/67:

ACROD, Australia
Australian Association of Certification Bodies
Australian Association of Occupational Therapists
Australian Chamber of Commerce and Industry
Australian Committee of Independent Living Centres
The Commercial Vehicle Industry Association of Australia
Crippled Childrens Association, S.A.
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Part 14: Power and control systems for electric wheelchairs—Requirements and test methods

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/67, Mobility Appliances for People with Disabilities. It is based on and has been reproduced from ISO 7176-14:1997 of the same title. In Australia, it replaces AS 3696.14(Int)—1991, *Wheelchairs*, Part 14: *Power and controls—Electric wheelchairs* which was withdrawn in 1995.

The objective of this Standard is to provide a specification for minimum design, safety and performance requirements for power and control systems of electric wheelchairs, for the use of manufacturers, testing authorities and purchasers.

For the purposes of this Standard, the ISO text is amended, supplemented or replaced as set out in Appendix ZZ. These changes are indicated by a marginal bar against the relevant clause or part thereof affected.

As this Standard is reproduced from an international publication, the following applies:

(a) Its number appears on the cover and title page while the International Standard number appears only on the cover.

(b) In the source text, 'this part of ISO 7176' should read 'this part of AS/NZS 3696.'

(c) A full point substitutes for a comma when referring to a decimal marker.

References to international Standards should be replaced by Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian or Joint Australian/New Zealand Standard*	
ISO		AS	
6440	Wheelchairs—Nomenclature, terms and definitions	3693	Wheelchairs—Nomenclature, terms and definitions
7176	Wheelchairs	3696	Wheelchairs
7176-3	Part 3: Determination of efficiency of brakes	3696.3	Part 3: Determination of efficiency of brakes
7176-6	Part 6: Determination of maximum speed, acceleration and retardation of electric wheelchairs	3696.6	Part 6: Determination of maximum speed, acceleration and retardation of electric wheelchairs
7176-8	Part 8: Requirements and test methods for static impact and fatigue strength	—	
7176-11	Part 11: Test dummies	3696.11	Part 11: Test dummies
7176-15	Part 15: Requirements for information disclosure, documentation and labelling	—	
CEN			
prEN 12184	Electrically powered wheelchairs, scooters and their chargers—Requirements and test methods	—	
IEC			
335	Safety of household and similar electrical appliances	3350	Approval and test specification—Safety of household and similar electrical appliances

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IEC		AS	
335-2-29	Part 2: Particular requirements for battery chargers	3350.2.29	Part 2.29: Particular requirements—Battery chargers
529	Degrees of protection provided by enclosures (IP Code)	1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
601-1	Safety of medical electrical equipment—Part 1: General requirements	3200	Approval and test specification —Medical electrical equipment
		3200.1.0	Part 1.0: General requirements for safety—Parent Standard

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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