

AS/NZS 3200.2.35:1999  
IEC 60601-2-35:1996

Australian/New Zealand Standard™

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**Medical electrical equipment**

**Part 2.35: Particular requirements  
for safety—Blankets, pads and  
mattresses intended for heating  
in medical use**

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[IEC title: Medical electrical equipment—Part 2: Particular requirements for the safety of blankets, pads and mattresses, intended for heating in medical use]

## **AS/NZS 3200.2.35:1999**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee HE/3, Medical Electrical Equipment. It was approved on behalf of the Council of Standards Australia on 12 March 1999 and on behalf of the Council of Standards New Zealand on 26 March 1999. It was published on 5 June 1999.

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The following interests are represented on Committee HE/3:

Australian Society of Anaesthetists  
Australasian College of Physical Scientists and Engineers in Medicine  
Australasian Society for Ultrasound in Medicine  
Australian & New Zealand College of Anaesthetists  
Australian Chamber of Commerce and Industry  
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## PREFACE

This Standard was prepared by the Joint Standards Australian/Standards New Zealand Committee HE/3, Medical Electrical Equipment as a Joint Standard.

This particular Standard is identical with and has been reproduced from IEC 60601-2-35:1996 *Medical electrical equipment, Part 2: Particular requirements for the safety of blankets, pads and mattresses, intended for heating in medical use* which modifies and supplements the corresponding Clauses of IEC 60601-1:1988, *Medical electrical equipment, Part 1: General requirements for safety* which has been adopted as AS/NZS 3200.1.0:1998, hereinafter referred to as the General Standard.

IEC has decided to apply a new numbering system, the 60000 series, to all its existing and future publications, including amendments to existing Standards. As a consequence, IEC has modified the bibliographic references in its databases to accord with the new numbering system. All IEC publications issued since the beginning of 1997 will carry references in terms of the 60000 series numbering. Publications printed earlier than 1997 will continue to carry the old series of numbers, for example, a reference to the IEC 60598 series of Standards will be to IEC 598 if the current edition of the Standard was printed prior to 1997.

The General Standard details electrical safety requirements for all types of medical electrical equipment. A particular Standard details additional safety requirements for a related group of medical electrical devices. A Collateral Standard details additional safety requirements for a range of devices within the scope of the General Standard which may not be related but share common problems. In the text of this Standard, the following print types are used:

- (a) Requirements, compliance with which can be tested and definitions . in large Roman type
- (b) Explanations, advice, introductions, general statements, exceptions and references . . . . . in smaller roman type
- (c) Headings of sub-clauses and text specifications . . . . . *in italic type*
- (d) Terms used throughout the Standard, which have been defined in Clause 2 and which are also in the index . . . . . IN SMALL CAPITALS

\* An asterisk is placed before each Clause for which rationale is included in Annex AA.

The even numbered pages of the original publication are in French and are omitted from this version.

Some other pages of the original, which relate to IEC administrative matters, are also omitted from this edition.

As this publication has been reproduced from an international Standard, the following modifications apply:

- (i) Its number does not appear on each page of text and its identity is shown on the cover and title page
- (ii) The words ‘this Australian/New Zealand Standard’ should replace the words ‘this International Standard’ wherever they appear.
- (iii) Substitute a full point for a comma where it appears as a decimal marker.

The references to international Standards should be replaced by references to the following Australian or Joint Australian/New Zealand Standards:

<i>Reference to International Standard or other Publication</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
83	Plugs and socket-outlets for domestic and similar general use—Standards	—	
	Fixed capacitors for use in electronic equipment	—	
384-14	Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connect to the supply mains		
601	Medical electrical equipment	3200	Medical electrical equipment
601-1	Part 1: General requirements for safety Amendment 1: 1991 Amendment 2: 1995	3200.1.0	Part 1.0: General requirements for safety—Parent Standard
601	Medical electrical equipment	3200	Approval and test specification—
601-1-1	Part 1: General requirements for safety—1. Collateral standard: Safety requirements for medical electrical systems Amendment 1: 1995	3200.1.1	Medical electrical equipment Part 1.1: General requirements for safety—Collateral Standard: Safety requirements for medical electrical systems
601-1-2	Part 1: General requirements for safety—2. Collateral standard: Electromagnetic compatibility—Requirements and tests	3200.1.2	Part 1.2: General requirements for safety—Collateral Standard: Electromagnetic compatibility—Requirements and tests
601-1-3	Part 1: General requirements for safety—3. Collateral standard: General requirements for radiation protection in diagnostic X-ray equipment	3200.1.3	Part 1.3: General requirements for safety— Collateral Standard: Requirements for radiation protection in diagnostic X-ray equipment
1000	Electromagnetic compatibility (EMC)	—	
1000.4.6	Part 4: Testing and measurement techniques—Section 6: Immunity to conducted disturbances, induced by radio-frequency fields		
967	Safety of electrically heated blankets, pads and similar flexible heating appliances for household use	3164	Approval and test specification— Safety of electrically heated blankets, pads and similar flexible heating appliances for household use
ISO			
2439	Cellular flexible polymeric materials— Determination of hardness (indentation technique)	—	

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