AS/NZS 3200.2.33:1996
IEC 601-2-33:1995

Australian/New Zealand Standard®

Approval and test specification—Medical electrical equipment

Part 2.33: Particular requirements for safety—Magnetic resonance equipment for medical diagnosis

[IEC title: Medical electrical equipment, Part 2: Particular requirements for the safety of magnetic resonance equipment for medical diagnosis]

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee HT/23, Medical Diagnostic Imaging Equipment. It was approved on behalf of the Council of Standards Australia on 30 August 1996 and on behalf of the Council of Standards New Zealand on 29 July 1996. It was published on 5 October 1996.

The following interests are represented on Committee HT/23:

Australasian College of Physical Scientists and Engineers in Medicine
Australian Academy of Dento-Maxillo-Facial Radiologists
Australian Chamber of Commerce and Industry
Australian Dental Association
Australian Dental Industry Association
Australian Institute of Radiography
Australian and New Zealand Society of Nuclear Medicine
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PREFACE

This Joint Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee HT/23, on Medical Diagnostic Imaging Equipment.

This Standard is identical with and has been reproduced from IEC 601-2-33:1995, which modifies and supplements the corresponding Clauses of IEC 601-1:1988, *Safety of medical electrical equipment,* Part 1.0: *General requirements for safety* which has been adopted as AS 3200.1.0 (NZS 6150), hereinafter referred to as the General Standard.

This Particular Standard is one of a series of Approval and Test Specifications issued by Standards Australia and Standards New Zealand for various categories of medical equipment. It is supplementary to AS 3200.1.0 (NZS 6150):1990, *Approval and test specification—Medical electrical equipment*, Part 1.0: *General requirements for safety—Parent Standard.* The requirements of a Particular Standard take priority, where appropriate, over those of the General Standard.

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*

(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 BB.

Under arrangements made between Standards Australia, Standards New Zealand and the IEC, as well as certain other Standards organizations, users of this Standard are advised that the number of this Standard is not reproduced on each page; its identity is shown only on the cover and title page.

For the purpose of this Standard, the IEC text should be modified as follows:

(i) *Terminology* The words ‘this Australian/New Zealand Standard’ should replace the words ‘this International Standard’ wherever they appear.

(ii) *Decimal marker* Substitute a full point for a comma where it appears as a decimal marker.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ appendix or annex is an integral part of a Standard, whereas an ‘informative’ appendix or annex is for information and guidance only.

Reference to International Standard or other publication		*Australian/New Zealand Standard*	
IEC		AS	
601	Medical electrical equipment	3200 (NZS 6150)	Approval and test specification—Medical electrical equipment
601-1	Part 1: General requirements for safety	3200.1.0	Part 1.0: General requirements for safety
601-1-1	Part 1-1: General requirements for safety—1. Collateral Standard: Safety requirements for medical electrical systems	3200.1.1	Part 1.1: Collateral Standard—Safety requirements for medical electrical systems

IEC		AS/NZS	
601-1-2	Part 1-2: General requirements for safety—2. Collateral Standard: Electromagnetic compatibility—Requirements and tests	3200.1.2	Part 1.2: Collateral Standard—Electromagnetic compatibility—Requirements and tests
651	Sound level meters	1259 1259.1	Acoustics—Sound level meters Part 1: Non-integrating
788	Medical radiology—Terminology	—	
804	Integrating-averaging sound level meters	1259 1259.2	Acoustics—Sound level meters Part 2: Integrating—Averaging
950	Safety of information technology equipment including electrical business equipment	3260	Approval and test specification—Safety of information technology equipment including electrical business equipment
ISO			
1999	Acoustics—Determination of occupational noise exposure and evaluation of noise-induced hearing impairment	—	
7731	Danger signals for work places—Auditory danger signals	—	