

Australian/New Zealand Standard™

**Isolated electrical supply systems
for medical use**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee HT/21, Wiring of Medical Treatment Areas in Hospitals. It was approved on behalf of the Council of Standards Australia on 23 November 1998 and on behalf of the Council of Standards New Zealand on 7 December 1998. It was published on 5 February 1999.

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Australian Federation for Medical and Biological Engineering
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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 4510:1999

Isolated electrical supply systems for medical use

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NOTES

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee HT/21, Wiring of Medical Treatment Areas in Hospitals, to supersede, in part, AS 3003—1985, *Electrical installations—Patient treatment areas of hospitals and medical and dental practices*.

The objective of this Standard is to establish requirements for the design, construction and testing of isolated electrical supplies for medical use.

Significant changes incorporated in this Standard to the requirements of AS 3003—1985 include the following:

- (a) Requirements for transformers are specified in terms of compliance with AS/NZS 3108, *Approval and test specification—Particular requirements for isolating transformers and safety isolating transformers*, together with specified variations.
- (b) A requirement for the maximum sound pressure level of the transformer is specified.
- (c) Marking requirements for line isolation monitors are given.

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