

AS/NZS 3100:1997  
(Incorporating Amendment Nos. 1, 2, 3, 4 and 5)

AS/NZS 3100

Australian/New Zealand Standard™

**Approval and test specification—  
General requirements for electrical  
equipment**



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## **AS/NZS 3100:1997**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, . It was approved on behalf of the Council of Standards Australia on 11 August 1997 and on behalf of the Council of Standards New Zealand on 6 August 1997. It was published on 5 November 1997.

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The following interests are represented on Committee EL-002:

Association of Certification Bodies  
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Australian Electrical and Electronic Manufacturers Association  
Consumer Electronics Supplies Association, Australia  
Electrical regulatory authorities  
Electrical test laboratories  
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## PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee EL/2, Electrical Approvals Standards, to supersede AS 3100—1994 and NZS/AS 3100:1994.

A5 | *This Standard incorporates Amendment No. 1 (January 1999), Amendment No. 2 (February 1999), Amendment No. 3 (August 1999), Amendment No. 4 (February 2001) and Amendment No. 5 (June 2001). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

A5 | This Standard is one of a series of Approval and test specifications issued by Standards Australia and Standards New Zealand, whose objective is to provide manufacturers and regulatory bodies with minimum safety requirements for equipment not covered by AS/NZS 3350.1, and which is designed to give user protection against hazards that might occur during normal operation and abnormal operation of the appliance, and which may be used as the basis for approval for sale or for connection to supply in Australia and New Zealand.

This Standard contains general requirements for electrical equipment and can be applied to equipment for which no particular Approval and test specification exists. It also forms the basis of general requirements where an Approval and test specification exists for a piece of equipment. Only safety matters and related conditions are covered.

This Standard was revised to incorporate Amendments Nos 1, 2, 3, 4, 5, 6 and 7 to AS 3100—1994 and NZS/AS 3100:1994, and to effect changes to the Preface to introduce AS/NZS 3350.1 and to Clause 4.1.4.3 for distances through insulation, to Clause 5.3.5 deleting minimum sizes of earthing conductors, to Clause 5.4.8 for distances through insulation and to Appendix B deleting tests for hand-held appliances and appliances continuously loaded by the user. Editorial changes have also been incorporated.

For appliances, where conflict or uncertainty arises between the requirements detailed in this Standard and those detailed in AS/NZS 3350.1, those in AS/NZS 3350.1 shall take precedence. Where an interpretation of the requirements in AS/NZS 3100 is needed, the interpretation made shall be based upon the requirements detailed in AS/NZS 3350.1.

Where there is a published Australian/New Zealand harmonized or Joint Standard referenced in this Standard, the relevant New Zealand Standard number is given in Clause 1.3 of this Standard.

This Standard supersedes AS 3100—1994 and NZS/AS 3100:1994 from date of publication with the exception of Clause 4.1.4 which becomes effective in November 1997. Appendix A of this Standard contains fire hazard test requirements for equipment that is not designated as ‘attended’ or ‘unattended’.

This Standard does not provide all the necessary conditions for a contract.

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

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