

AS/NZS 3350.1:1994

IEC 335-1:1992

## Australian/New Zealand Standard

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### **Safety of household and similar electrical appliances**

### **Part 1: General requirements**

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## AS/NZS 3350.1:1994

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/2, Electrical Approval Standards. It was approved on behalf of the Council of Standards Australia on 23 February 1994 and on behalf of the Council of Standards New Zealand on 28 March 1994. It was published on 16 May 1994.

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The following interests are represented on Committee EL/2:

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Association of New Zealand Electrical Appliance Distributors  
Australian Chamber of Commerce and Industry  
Australian Electrical and Electronic Manufacturers Association  
Consumer Electronics Suppliers Association, Australia  
Electrical regulatory authorities  
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Electrical test laboratories  
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Metal Trades Industry Association of Australia  
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*This Standard was issued in draft form for comment as DR 92157.*

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First published in Australia as AS 3300—1978.  
Second edition 1980.  
Third edition 1983.  
Fourth edition 1986.  
Fifth edition 1988.  
Sixth edition 1992.  
First published in New Zealand as NZS 6300:1980.  
Second edition 1988.  
Third edition 1992.  
Jointly revised and redesignated as Joint Standard  
AS/NZS 3350.1:1994.  
Incorporating:  
Amdt 1—1995  
Amdt 2—1995  
Amdt 3—1997  
Amdt 4—1998  
Amdt 5—1999  
Amdt 6—1999

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA  
1 The Crescent,  
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND  
Level 10, Radio New Zealand House,  
155 The Terrace,  
Wellington 6001 New Zealand

ISBN 0 7262 8843 8

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/2 on Electrical Approvals Standards to supersede AS 3300—1992/NZS 6300:1992 *Approval and test specification—General requirements for household and similar electrical appliances*. It was prepared to align Australian Approval and Test Specifications and New Zealand Standards progressively with International Electrotechnical Commission (IEC) Standards for appliances.

This Standard is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

Under arrangements made between Standards Australia, Standards New Zealand and the international Standards bodies, ISO and IEC, as well as certain other Standards organizations, users of this Australian/New Zealand 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 pages.

This Standard is reproduced from the second impression of IEC 335-1:1991, *Safety of household and similar electrical appliances*, Part 1: *General requirements*. This Standard, referred to as Part 1, is to be used in conjunction with the appropriate Part 2, which contains clauses that supplement or modify the corresponding clauses in Part 1, to provide the relevant requirements for each type of product.

A number of variations have been made in this Standard to the requirements of IEC 335-1:1991. These variations are necessary to take into account the national requirements for electrical appliances that apply in both Australia and New Zealand. The variations are indicated throughout the text of this Standard by boxes. The Australian/New Zealand requirement is located beneath the boxed IEC text and indicated by a marginal bar, and Appendices ZA and ZB give Australian and New Zealand specifications and test information.

The term ‘informative’ has been used in this Standard to define the application of the appendices. An ‘informative’ appendix is only for information and guidance.

These variations also form the Australian national variations for purposes of the IEC scheme for recognition of results of testing to Standards for safety of electrical equipment (the CB scheme).

The numbering of Clauses and Figures closely follow those of IEC 335-1:1991. To allow for the introduction of additional material by the IEC, the numbers 1 to 100 have been reserved. Clauses numbered from 101 are used by the IEC to add to the body of the Standard by appendices. To allow additional material to be introduced by Australia or New Zealand, the numbers 201 to 300 are used. This scheme has been introduced to reduce the likelihood of the IEC and Australia or New Zealand using the same Clause or Figure number for differing requirements. The use of the word VOID indicates that the IEC requirement is not used in Australia or New Zealand. The word is also used where the deletion of a particular requirement such as a Table would lead to the consequential renumbering of references within the body of the Standard and succeeding Tables. Where Australia and New Zealand have added a requirement or made a change to a particular Clause of IEC 335-1 that Clause number remains unchanged.

If the functions of an appliance are covered by more than one Part 2, the relevant Part 2 is applied to each function separately, so far as is reasonable. If applicable, the influence of one function on the other is taken into account.

In this Standard the following print types are used:

- Large roman type . . . . . requirements
- Large italic type . . . . . test specifications
- **Bold type** . . . . . defined terms
- Small roman type . . . . . notes

The requirements in this Standard may be applied, so far as is reasonable, to appliances where there is no Part 2 and to appliances designed on new principles.

The requirements in this Standard take into account, as far as possible, the Standards and codes of practice that form the wiring rules in Australia and New Zealand, so that an appliance may be installed in accordance with those wiring rules.

It has been assumed in the drafting of this Standard that the execution of its provisions is entrusted to appropriately qualified and experienced people.

This Standard will in time supersede AS 3300—1992/NZS 6300:1992. However, AS 3300—1992/NZS 6300:1992 will remain valid until all the particular approval and test specifications associated with it are withdrawn.

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

- (a) *Terminology* The words ‘this Australian/New Zealand Standard’ should replace the words ‘this International Standard’ wherever they appear.
- (b) *Decimal marker* Substitute a full point for a comma where it appears as a decimal point.
- (c) *References* The references to international Standards should be replaced by references, where appropriate, 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	
51-2	Direct acting indicating analogue electrical-measuring instruments and their accessories Part 2: Special requirements for ammeters and voltmeters	—	
61-1	Lamp caps	—	
65	Safety requirements for mains operated electronic and related apparatus for household and similar general use	3250	Approval and test specification—Mains operated electronic and related equipment for household and similar general use (EQV)
68-2-32	Test Ed: Free fall	—	
68-2-63	Test Eg: Impact, spring hammer	—	
		AS/NZS	
83	Plugs and socket-outlets for domestic and similar general use. Standards	3112	Approval and test specification—Plugs and socket-outlets
		AS	
85	Thermal evaluation and classification of electrical insulation	2768	Electrical insulating materials—Evaluation and classification based on thermal endurance
112	Method for determining the comparative and proof tracking indices of solid insulating materials under moist conditions	2420	Fire test methods for solid insulating materials and non-metallic enclosures used in electrical equipment (EQV)
127	Cartridge fuse-links for miniature fuses	—	
227	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	3191	Approval and test specification—Electric flexible cords

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