

**AS/NZS 3260:1993**  
IEC 950:1991/Amdt 1:1992

Australian/New Zealand Standard

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**Approval and test specification—  
Safety of information technology  
equipment including electrical  
business equipment**

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## **AS/NZS 3260:1993**

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This Standard was prepared under a joint arrangement by Standards Australia and Standards New Zealand. It was approved on behalf of the Council of Standards Australia on 3 December 1992 and on behalf of the Council of Standards New Zealand on 9 December 1992 and published on 15 February 1993.

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The following organizations are represented on the Committees responsible for this Standard:

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Australian Electrical and Electronic Manufacturers Association  
Australian Information Industry Association  
Australian Telecommunications Authority  
Confederation of Australian Industry  
Consumer Electronics Suppliers Association  
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AS/NZS 3260:1993

## Australian/New Zealand Standard

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# **Approval and test specification— Safety of information technology equipment including electrical business equipment**

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## PREFACE

This Standard was prepared by the Standards Australia and Standards New Zealand Committees on Safety of Electronic Equipment and has been reproduced from IEC 950:1991, *Safety of information technology equipment, including electrical business equipment*, and Amendment 1:1992 drawn up by IEC Technical Committee TC 74, Safety of Data Processing Equipment and Office Machines. It is issued as a Joint Standard under the terms of the Memorandum of Understanding between Standards Australia and Standards New Zealand with the objective of reducing technical barriers to trade between the two nations.

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- (a) Copyright is vested in Standards Australia and Standards New Zealand.
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The page numbering of this Standard is identical to the IEC publication, the English language version having only odd numbers, the even numbers being reserved for the French language version.

The intent of this Standard is to prevent injury to persons and damage to property by establishing essential requirements and minimum safety standards for the design and construction of mains operated information technology equipment, including electrical business equipment and equipment connected to telecommunication networks.

In Australia this specification supersedes AS 3260:1988 and takes effect on publication. In New Zealand this Specification supersedes NZS 6661:1989 and takes effect 1 year from publication.

IEC 950 Amendment variations are indicated by a single vertical line in the right hand margin showing where the text has been modified compared to the original version. The number within the vertical line indicates the amendment number.

Australian/New Zealand Amendment variations are also indicated by a single vertical line in the right hand margin showing where the text has been modified compared to the original version. The number within the vertical line indicates the amendment number. This number is not related to the IEC amendment number.

To differentiate the markings; amendments originated in Australia and New Zealand include the initials A/NZ followed by the number.

Amendment 4:1996 of IEC 950:1991 changes the title of that Standard to *Safety of information technology equipment*. The title of this Australia/New Zealand Standard will remain unchanged until a complete review of the Standard is undertaken.

Where the text of IEC 950 has been varied technically to accommodate Australian and New Zealand different or additional requirements, it is indicated by double vertical lines in the left hand margin against the clause affected. Australian and New Zealand variations to IEC 950 are given in Appendices 1, 2 and 3 at the end of this publication.

This Standard differs from IEC 950:1991 (including Amendment 1:1992) in that it excludes IT and TT power systems and basic-only insulated safety extra-low voltage (SELV) power supplies which are not permitted in Australia and New Zealand. Alternative tests for resistance to heat and fire are included to allow approval of equipment which has inadequate documentation to verify testing to IEC 950 heat and fire tests. Some supply cord conductor sizes vary from those in IEC 950, and direct current from a.c. appliances is limited in value.

For telecommunication connected equipment in Australia, the impulse and electric strength tests are both applied and the values of these test voltages are higher than those of IEC 950.

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The variations convert the IEC Standard into the Australia/New Zealand National Standard for purposes of the IECEE CB scheme and will be published in the IECEE CB Bulletin.

Transformers complying with AS 3108\* meet the requirements of Clause 1.5.3 and those of Annex C of this Standard.

For the purpose of this Australian/New Zealand Standard, the IEC text should be modified as follows:

- (i) *Terminology* The words 'IEC Publication' or 'ISO Publication' should be replaced by the words 'Australian/New Zealand Standard' wherever they appear.
- (ii) *References* The references to International Standards should be replaced by references to Australian/New Zealand Standards as follows:

<i>Reference to International Standard or other publication</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
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
73	Coding of indicating devices and actuators by colours and supplementary means	—	
83	Plugs and socket-outlets for domestic and similar general use. Standards	3112	Approval and test specification— Plugs and socket-outlets
85	Thermal evaluation and classification of electrical insulation	AS 2768	Electrical insulating materials— Evaluation and classification based on thermal endurance
112	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	2420 3191	Fire test methods for solid insulating materials and non-metallic enclosures used in electrical equipment Approval and test specification— Electric flexible cords
227	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	3147 3191	Approval and test specification— Electric cables—Thermoplastic insulated— For working voltages up to and including 0.6/1 kV Approval and test specification— Electric flexible cords
245	Rubber insulated cables of rated voltages up to and including 450/750 V	3116 3191	Approval and test specification— Electric cables—Elastomer insulated— For working voltages up to and including 0.6/1 kV Approval and test specification— Electric flexible cords

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\* AS 3108 Approval and test specification—Particular requirements for isolating transformers and safety isolating transformers. New Zealand has adopted AS 3108 as NZS/AS 3108.

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