

AS/NZS 60950.1:2011
(Incorporating Amendment No. 1)

AS/NZS 60950.1:2011

Australian/New Zealand Standard™

**Information technology equipment—
Safety**

**Part 1: General requirements
(IEC 60950-1, Ed. 2.0 (2005), MOD)**



AS/NZS 60950.1:2011

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-001, Safety of Electronic Equipment. It was approved on behalf of the Council of Standards Australia on 28 October 2010 and on behalf of the Council of Standards New Zealand on 23 December 2010.
This Standard was published on 8 February 2011.

The following are represented on Committee TE-001:

Australian Chamber of Commerce and Industry
Australian Communications Authority
Australian Industry Group
Australian Information Industry Association
Australian Subscription Television and Radio Association
CHOICE
Certification Interests, New Zealand
Consumer Electronics Association of New Zealand
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-001, Safety of Electronic Equipment, to supersede AS/NZS 60950.1:2003 and its amendments, 2 years from the date of publication (publication date was 8 February 2011). During this period both Standards will run in parallel.

This Standard incorporates Amendment No. 1 (November 2012). 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

The objective of this Standard is to establish minimum safety requirements for the design, construction and operation of mains-powered or battery-powered information technology equipment. It sets out requirements intended to ensure the safety of the operator and other people who may come into contact with the equipment and, where specifically stated, service personnel.

This Standard is an adoption with national modifications and has been reproduced from IEC 60950-1, Ed. 2.0 (2005), *Information Technology Equipment—Safety—Part 1: General requirements*, its Corrigendum 1 (2006), which is incorporated in the source text, its Amendment 1 (2009) which is added at the end of the source text, and the Australian/New Zealand variations, which are listed in Appendix ZZ. This Standard has been varied from the IEC Standard as indicated to take account of Australian/New Zealand conditions.

The changes in this Standard from AS/NZS 60950.1:2003 and its amendments are principally the changes between IEC 60950-1, Ed.1.0 (2001) and IEC 60950-1, Ed.2.0 (2005), which are listed in Annex BB.

The purpose of AS/NZS 60950.1:2011 Amendment 1 (2012) was to—

- (a) adopt into the standard, IEC Amendment 1 (2009);
- (b) update the Preface;
- (c) update AS/NZS 60950.1:2011 Appendix ZZ in line with the changes introduced by IEC Amendment 1 (2009).

The Amendments to Appendix ZZ are only editorial changes to align with IEC Amendment 1 (2009). The only technical changes associated with AS/NZS 60950.1, Ed.2.0 (2011) Amendment (2012) are those introduced by IEC Amendment 1 (2009).

This Standard is structured in the following layout:

- (i) Australian/New Zealand Preface (including Australian and New Zealand bibliography).
- (ii) IEC 60950-1, Ed. 2.0 (2005) (unedited from the contents page to the final clause of the source document).
- (iii) IEC 60950-1, Ed.2.0 (2005) Amd.1 (2009).
- (iv) Appendix ZZ—Australian/New Zealand variations to the source document.

A1 The variations listed in Appendix ZZ address issues including the following:

- (A) Addition of definition of potential ignition source.
- (B) Australian/New Zealand requirements for flexible cords.
- (C) Requirements for stability of devices used for television purposes.
- (D) Appropriate tests of AS/NZS 3112 for plug in devices.
- (E) Alternate resistance to fire tests.
- (F) Australian/New Zealand requirements for impulse tests.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to electrically powered information technology equipment are covered by this Standard.

The variations described in Appendix ZZ form the Australian and New Zealand variations for the purposes of the CB scheme for recognition of testing to standards for safety of electrical equipment.

As this Standard is reproduced from an International Standard, the following applies:

- (1) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (2) A full point substitutes for a comma when referring to a decimal marker.

Unless otherwise indicated in Appendix ZZ, references to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
60068	Environmental testing	60068	Environmental testing
60068-2-78	Part 2-78: Tests—Test Cab: Damp heat, steady state	60068.2.78	Part 2.78: Tests—Test Cab: Damp heat, steady state
60417	Graphical symbols for use on equipment	60417	Graphical symbols for use on equipment
60947	Low voltage switchgear and control gear	60947	Low voltage switchgear and control gear
60947-1	Part 1: General rules	60947.1	Part 1: General rules
60065	Audio, video and similar electronic apparatus—Safety requirements	60065	Audio, video and similar electronic apparatus—Safety requirements
60112	Method for determination of the proof and the comparative tracking indices of insulating materials	60112	Method for determination of the proof and the comparative tracking indices of insulating materials
60227	Polyvinyl chloride insulated cables of rated voltage up to and including 450/750 V	60227	Polyvinyl chloride insulated cables of rated voltage up to and including 450/750 V
60227-5	Part 5: Flexible cables (cords)	60227.5	Part 5: Flexible cables (cords)
60245	Rubber insulated cables—Rated voltages up to and including 450/750 V	60245	Rubber insulated cables—Rated voltages up to and including 450/750 V
60245-4	Part 4: Cords and flexible cables	60245.4	Part 4: Cords and flexible cables

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