

AS/NZS 60950.1:2015

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Australian/New Zealand Standard™

## Information technology equipment— Safety

**Part 1: General requirements  
(IEC 60950-1, Ed. 2.2 (2013), MOD)**



## **AS/NZS 60950.1:2015**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-001, Safety of Electrical Equipment. It was approved on behalf of the Council of Standards Australia on 7 May 2015 and on behalf of the Council of Standards New Zealand on 31 July 2015.

This Standard was published on 1 September 2015.

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*This Standard was issued in draft form for comment as DR AS/NZS 60950.1:2014.*

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-001, Safety of Electrical Equipment, to supersede AS/NZS 60950.1:2011 and its amendments, two years from the date of publication. During this period both Standards will run in parallel, then the 2011 edition is anticipated to be withdrawn.

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. 2.2 (2013), *Information technology equipment—Safety, Part 1: General requirements*, its Corrigendum 1 (2006), its Amendment 1 (2009), its Amendment 1 Corrigendum 1 (2012), and its Amendment 2 (2013) which are all incorporated in the source text. A vertical line in the margin shows where the base publication has been modified by Amendments 1 and 2. Additions and deletions are displayed in red, with deletions being struck through. The Australian/New Zealand variations are listed in Appendix ZZ. This Standard has been varied from the IEC Standard as indicated to take account of Australian/New Zealand conditions.

Variations made to IEC 60950-1, Ed. 2.2 (2013) form the Australian/New Zealand variations for the purposes of the CB scheme for recognition of testing to standards for safety of electrical equipment. They are listed in Appendix ZZ.

The changes in this Standard from AS/NZS 60950.1:2011 and its Amendment 1 (2012) are principally the changes between IEC 60950-1, Ed. 2.1 (2009) and its Amendment 2 (2013), which are listed in Annex BB.

The purpose of AS/NZS 60950.1:2015 is to—

- (a) adopt into the standard, IEC Amendment 2 (2013);
- (b) update the Preface; and
- (c) update AS/NZS 60950.1:2015 Appendix ZZ in line with the changes introduced by IEC Amendment 2 (2013).

This Standard is structured as follows:

- (i) Preface.
- (ii) (IEC 60950-1, Ed. 2.2 (2013) (unedited from the Contents page to the final clause of the source document).
- (iii) Appendix ZZ—Australian/New Zealand variations to the source document.

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) Addition of a clarification NOTE concerning the overcharging of a rechargeable battery.
- (F) Alternate resistance to fire tests.
- (G) Australian/New Zealand requirements for impulse and electric strength tests.
- (H) Addition of requirements for button/coin batteries and R1 batteries.

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

- (1) In the source text 'IEC/ISO number' should read 'this Australian/New Zealand Standard'.
- (2) A full point substitutes for a comma when referring to a decimal marker.

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	
60065	Audio, video and similar electronic apparatus—Safety requirements	60065	Audio, video and similar electronic apparatus—Safety requirements (IEC 60065, Ed.7.2 (2011) MOD)
		AS	
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
		AS/NZS	
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
		AS/NZS	
60320	Plugs, socket-outlets and coupler for household and similar general purposes (series)	60320	Plugs, socket-outlets and coupler for household and similar general purposes (series)
		AS	
60417	Graphical symbols for use on equipment	60417	Graphical symbols for use on equipment
		AS/NZS	
60695	Fire hazard testing	60695	Fire hazard testing
60695-2-11	Part 2-11: Glowing/hot wire based test methods—Glow wire flammability test method for end products	60695.2.11	Part 2.11: Glowing/hot wire based test methods—Glow wire flammability test method for end products
60695-10-2	Part 10-2: Abnormal heat—Ball pressure test	60695.10.2	Part 10.2: Abnormal heat—Ball pressure test
		AS	
60695-10-3	Part 10-3: Abnormal test—Mould stress relief	60695.10.3	Part 10.3: Abnormal test—Mould stress relief
		AS/NZS	
60695-11-3	Part 11-3: Test flames—500 W flames—Apparatus and conformational test methods	60695.11.3	Part 11.3: Test flames—500 W flames—Apparatus and conformational test methods
60695-11-4	Part 11-4: Test flames—50 W flames—Apparatus and conformational test methods	60695.11.4	Part 11.4: Test flames—50 W flames—Apparatus and conformational test methods
60695-11-5	Part 11-5: Test flames—Needle—flame test method—Apparatus and confirmatory test arrangement and guidance	60695.11.5	Part 11.5: Test flames—Needle—flame test method—Apparatus and confirmatory test arrangement and guidance

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