

Australian/New Zealand Standard™

**Audio/video, information and  
communication technology equipment**

**Part 1: Safety requirements  
(IEC 62368-1:2014 (ED. 2.0) MOD)**



## **AS/NZS 62368.1:2018**

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 8 January 2018 and by the New Zealand Standards Approval Board on 20 December 2017.

This Standard was published on 15 February 2018.

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The following are represented on Committee TE-001:

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Australian Information Industry Association  
Business New Zealand  
CHOICE  
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Consumer Electronics Suppliers Association  
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*This Standard was issued in draft form for comment as DR AS/NZS 62368.1:2017.*

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-001, Safety of Electronic Equipment.

AS/NZS 60950.1:2015, *Information technology equipment—Safety, Part 1: General requirements (IEC 60950-1, Ed. 2.2 (2013), MOD)* and AS/NZS 60065:2018, *Audio, Video and similar electronic apparatus—Safety requirements (IEC 60065:2014 (ED. 8.0), MOD)* will also remain current for 4 years from the publication of AS/NZS 62368.1:2018, *Audio/video, information and communication technology equipment, Part 1: Safety requirements, (IEC 62368-1:2014 (ED. 2.0 MOD)* and after this time they will be superseded by AS/NZS 62368.1:2018. Regulatory authorities that reference these Standards in regulations may apply these requirements at a different time; users of this Standard should consult with these authorities to confirm their requirements.

The objective of this Standard is to establish minimum safety requirements for the design, construction and operation of electrical and electronic equipment within the field of audio, video, information and communication technology, and business and office equipment. It sets out requirements intended to ensure the safety of the operator and other people who may come into contact with the equipment (i.e. ‘ordinary persons’) and, where specifically stated, maintenance and service personnel (i.e. ‘instructed persons’ and ‘skilled persons’).

This Standard is an adoption with national modifications and has been reproduced from IEC 62368-1, Ed.2.0 (2014), *Audio/video, information and communication technology equipment – Part 1: Safety requirements*, and its Corrigendum 1 (2015), which has been added at the end of the source text. Corrigendum 2 (2015) applies to the French text edition only and has not been included. 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 62368-1:2014 (ED.2.0) 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 Australian/New Zealand variations in this Standard are taken from the national differences between IEC 60950-1, Ed. 2.2 (2009) and AS/NZS 60950.1:2015, and also between IEC 60065:2012 with its amendments and AS/NZS 60065:2012 with Amendment 1. Additional national differences with IEC 62368-1:2014 may apply as well.

The purpose of this Standard is—

- (a) to adopt the International Standard IEC 62368-1:2014;
- (b) to update the Preface; and
- (c) to include Appendix ZZ in line with the elements of Appendix ZZ of AS/NZS 60950.1 and AS/NZS 60065 as applicable.

This Standard is structured as follows:

- (i) Preface.
- (ii) IEC 62368-1, ED.2.0 (2014) (unedited from the Contents to the final clause of the source document including Corrigendum 1).
- (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 references to relevant normative Australian/New Zealand Standards.
- (B) Australian/New Zealand requirements for flexible cords.
- (C) Requirements for stability of displays used for television purposes.

- (D) Appropriate tests of AS/NZS 3112 for plug-in devices.
- (E) Addition of a Note clarifying the overcharging of rechargeable batteries.
- (F) Modification of requirements for button/coin batteries.
- (G) Alternate resistance to fire tests.
- (H) Australian/New Zealand requirements for impulse and electric strength tests.
- (I) Abnormal conditions and single fault conditions output voltage test for external power supplies, docking stations and other similar devices.

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

- (1) In the source text ‘this part of IEC 62368’ should read ‘this Australian/New Zealand Standard’.
- (2) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific standards.

In cases where Australian or Australian/New Zealand Standards are modified-text adoptions of an international normative reference Standards, references to those International Standards are required by Appendix ZZ to 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 60065:2015 (ED.8.0) MOD)
60320	Appliance couplers for household and similar general purposes	60320	Appliance couplers for household and similar general purposes
60320-1	Part 1: General requirements	60320.1	Part 1: General requirements (IEC 60320-1, Ed.2.1 (2007) MOD)
60320-2-2	Part 2-2: Interconnection couplers for household and similar equipment	60320.2.2	Part 2.2: Interconnection couplers for household and similar equipment (IEC 60320-2-2, Ed.2.0 (1998) MOD)
60950	Information technology equipment — Safety	60950	Information technology equipment— Safety
60950-1	Part 1: General requirements	60950.1	Part 1: General requirements (IEC 60950-1, Ed.2.2 (2013), MOD)
61558	Safety of power transformers, power supplies, reactors and similar products	61558	Safety of power transformers, power supplies, reactors and similar products
61558-1	Part 1: General requirements and tests	61558.1	Part 1: General requirements and tests (IEC 61558-1 Ed 2.1, MOD)

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

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