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AS/NZS 60065:2012
(Incorporating Amendment No. 1)

AS/NZS 60065:2012

Australian/New Zealand Standard™

Audio, video and similar electronic apparatus—Safety requirements (IEC 60065, Ed.7.2 (2011) MOD)

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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 24 July 2012 and on behalf of the Council of Standards New Zealand on 28 May 2012.
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The following are represented on Committee TE-001:

Australian Chamber of Commerce and Industry
Australian Communications and Media Authority
Australian Industry Group
Australian Information Industry Association
Australian Subscription Television and Radio Association
Choice
Communications Alliance
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Audio, video and similar electronic apparatus—Safety requirements (IEC 60065, Ed.7.2 (2011) MOD)

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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 60065:2003 (which incorporates Amendment 1:2008), *Audio, video and similar electronic apparatus—Safety requirements (IEC 60065:2001, MOD)* on 1 October 2012. Until 1 October 2012 both editions of the Standard will operate in parallel, then the 2003 edition will be withdrawn.

This Standard incorporates Amendment No. 1 (June 2015). 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 provide Australian and New Zealand electrical and electronic industries with minimum safety requirements for electrically powered equipment intended for the reception, generation, recording or reproduction of audio, video and associated signals.

This Standard is an adoption, with national modifications, and has been reproduced from IEC 60065, Ed.7.2 (2011), *Audio, video and similar apparatus—Safety requirements*, and has been varied as indicated to take account of Australian/New Zealand conditions. The modifications are set out in Appendix ZZ.

IEC 60065, Ed.7.2 (2011) comprises the seventh edition of IEC 60065 (2001), its Corrigendum (2002), Amendment 1 (2005) and Amendment 2 (2010). Marginal bars show where IEC 60065 (2001) has been modified by Amendment 1 and 2.

The purpose of this revision was to provide the updated Version 7.2 of the source text which incorporates Amendments 1 and 2. The Australian/New Zealand modifications have been updated with respect to dates of application of some compliance requirements, removal of redundant notes and other editorial changes (including editorial change to wording of compliance requirements of Clause 20 and changes resulting from the reference document AS/NZS 4695.2.2 being superseded by AS/NZS 60695.11.5). The content of this Standard is therefore technically equivalent to AS/NZS 60065:2003 and its Amendment 1 (2008), with the addition of IEC Amendments 1 (2005) and 2 (2010) being the only change.

A1 Amendment 1 to this Standard adds requirements to address safety issues identified with coin/button batteries and batteries designated R1. These requirements take into account requirements from IEC 62368-1, Ed. 2, IEC 60065, Ed. 8 and requirements for electric toys.

This amendment takes effect two years from its publication.

This Standard is structured in the following layout:

(a) Australian/New Zealand Preface (including Australian and New Zealand reference documents).

(b) IEC 60065 (unedited from the scope to the final clause of the source document).

(c) Appendix ZZ—Australian/New Zealand variations to the source document.

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

(i) Alternate requirements for thermoplastic materials.

(ii) Appropriate tests of AS/NZS 3112.

(iii) Australian/New Zealand requirements for flexible cords.

(iv) Requirements for stability of television receivers.

(v) Alternate resistance to fire tests.

(vi) Change Table 21 flammability category.

(vii) Reference to Australian Telecommunications Labelling Notice (Annex B).

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The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to electrically powered equipment intended for the reception, generation, recording or reproduction of audio, video and associated signals 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:

(A) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(B) In the source text 'this International Safety Standard' should read 'this Australian/New Zealand Standard'.

(C) A full point should be substituted 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:

Reference to International Standard		*Australian/New Zealand Standard*	
IEC		AS	
60227	Letter symbols for use in electrical technology (series)	1046	Letter symbols for use in electrotechnology (series)
60038	IEC standard voltages	60038	Standard voltages
60068	Environmental testing	60068	Environmental testing
60068-2-6	Part 2-6: Tests—Test Fc: Vibration (sinusoidal)	60068.2.6	Part 2.6: Tests—Test Fc: Vibration (sinusoidal)
60068-2-32	Part 2-6: Tests—Test Ed: Free fall (Procedure 2)	60068.2.32	Part 2.32: Tests—Test Ed: Free fall
60068-2-75	Part 2-75: Tests—Test Eh: Hammer tests	60068.2.75	Part 2.75: Tests—Test Eh: Hammer tests
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
60112	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	60112	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions
60227	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	60227	Polyvinyl chloride insulated cables of rated voltages 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
		AS/NZS	
60320	Appliance couplers for household and similar general purposes (series)	60320	Appliance couplers for household and similar general purposes (series)
60335	Household and similar electrical appliances—Safety	60335	Household and similar electrical appliances—Safety
60335-1	Part 1: General requirements	60335.1	Part 1: General requirements

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