

EMC testing for information technology and like equipment

The electromagnetic compatibility (EMC) regulatory arrangement of the Australian Communications and Media Authority (ACMA) specifies mandatory emission standards for a wide range of electrical and electronic devices. Under these arrangements, information technology (IT) products such as computers and computer peripherals must meet the requirements of an applicable EMC standard.

The current version of the EMC regulatory arrangement lists EMC standards that can be used as proof of compliance for IT and like equipment, including AS/NZS CISPR 22, EN 55022 and CISPR 22.

The EMC regulatory arrangement contains provisions that allow for changes to the applicable standards as new standards are published or existing standards are amended. These provisions and changes in the European Union (EU) arrangements have led to a large number of standards currently being suitable under the Australian EMC regulatory arrangement. This complexity has led to some confusion within industry as to which standards are suitable for testing to meet the requirements of the Australian EMC regulatory arrangement.

The table over contains a list of the standards that may be used as proof of conformity for the purposes of the Australian EMC regulatory arrangement are shown in the table. It lists the date the standard was published and the date the standard ceases to be acceptable to be used for the Australian EMC regulatory arrangement are shown.

The standards listed in bold in the table are the standards that may be used to demonstrate compliance as at 20 February 2009.

Current variations within standards

The ACMA recognises that AS/NZS CISPR 22:2006, amendment A1:2007 to EN 55022:2006 and amendment 1 to CISPR 22:2005 (Edition 5) introduced an extension of the frequency range for radiated emission measurements up to 6 GHz.

Europe does not require testing to EN 55022:2006 with amendment A1:2007 until 1 October 2010.

Consequently, the ACMA will accept test reports where proof of compliance with radiated emissions testing above 1 GHz is not required until 1 October 2010.

More information

The ACMA booklet [Information for suppliers of electrical and electronic products in Australia and New Zealand](#) is available on the ACMA website.

Suppliers can also contact comply.label@acma.gov.au for more information.

The ACMA has [fact sheets](#) on a range of topics.

Please note: this document is intended as a guide only and should not be relied on as legal advice or regarded as a substitute for legal advice in individual cases.

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Table: List of the standards that may be used as proof of conformity

Standards listed in bold may be used to demonstrate compliance as at 20 February 2009.

Standard	Date published	Date ceases to be acceptable
AS/NZS 3548:1995	05 December 1995	January 1999
+ A1:1997	January 1997	June 1999
+ A2:1997	June 1997	21 January 2004
AS/NZS CISPR 22:2002	21 January 2002	06 July 2006
AS/NZS CISPR 22:2004	06 July 2004	02 June 2008
AS/NZS CISPR 22:2006	02 June 2006	21 August 2011
AS/NZS CISPR 22:2009	21 August 2009	Latest version
CISPR 22:1993 (Ed 2)	1993	07 November 1999
CISPR 22:1997 (Ed 3)	07 November 1997	10 April 2005
CISPR 22:2003 (Ed 4)	10 April 2003	13 April 2007
CISPR 22:2005 (Ed 5)	13 April 2005	13 July 2007
+ A1:2005	13 July 2005	24 January 2008
+ A2:2006	24 January 2006	20 March 2008
CISPR 22:2006 (Ed 5.2)	20 March 2006	24 September 2010
CISPR 22:2008 (Ed 6.0)	24 September 2008	Latest version
EN 55022:1994	1994	31 December 1998
+ A1:1995	1995	31 December 1998
+ A2:1997	1997	01 August 2007
EN 55022:1998	08 September 1998	01 October 2009
+ A1:2000	26 October 2000	01 October 2009
+ A2:2003	03 January 2003	01 October 2009
EN 55022:2006	29 September 2006	01 October 2010
+ A1: 2007	2007	Latest version

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