

Australian/New Zealand Standard™

Electromagnetic compatibility (EMC)

**Part 6.3: Generic standards—Emission
standard for residential, commercial and
light-industrial environments**



AS/NZS 61000.6.3:2012

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Interference. It was approved on behalf of the Council of Standards Australia on 12 April 2012 and on behalf of the Council of Standards New Zealand on 5 April 2012.

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The following are represented on Committee TE-003:

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Australian Communications and Media Authority
Australian Industry Group
Australian Information Industry Association
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Curtin University
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Interference to supersede AS/NZS 61000.6.3:2007.

The objective of this Standard is to provide designers, manufacturers and testers of equipment incorporating electrical or electronic operation with methods of test for ascertaining immunity to electromagnetic disturbances.

This Standard is identical with, and has been reproduced from IEC 61000-6-3, Ed.2.1 (2011) *Electromagnetic compatibility (EMC), Part 6-3: Generic standards—Emission standard for residential, commercial and light-industrial environments*, which is the consolidated version of the second edition of IEC 61000-6-3 and its amendment 1 (2010). Margin bars and strike through show text modified by amendment 1.

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

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text ‘this part of IEC 61000’ should read ‘this part of AS/NZS 61000’.
- (c) A full point substitutes for a comma when referring to a decimal marker.
- (d) Any French text on figures should be ignored.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

IEC	AS/NZS
61000	61000
Electromagnetic compatibility (EMC)	Electromagnetic compatibility (EMC)
61000-3-2	61000.3.2
Part 3-2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	Part 3.2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) (IEC 61000-3-2, Ed.3.0 (2005) MOD)
61000-3-3	61000.3.3
Part 3-3: Limits—Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	Part 3.3: Limits—Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 6 A per phase and not subject to conditional connection
61000-3-11	61000.3.11
Part 3-11: Limits—Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems—Equipment with rated current ≤ 75 A and subject to conditional connection	Part 3.11: Limits—Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems—Equipment with rated current less than or equal to 75 A and subject to conditional connection
61000-3-12	61000.3.12
Part 3-12: Limits—Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase	Part 3.12: Limits—Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase

3

CISPR		AS/NZS CISPR	
14	Electromagnetic compatibility— Requirements for household appliances, electric tools and similar apparatus	14	Electromagnetic compatibility— Requirements for household appliances, electric tools and similar apparatus
14-1	Part 1: Emission	14.1	Part 1: Emission
16	Specification for radio disturbance and immunity measuring apparatus and methods	16	Specification for radio disturbance and immunity measuring apparatus and methods
16-1-4	Part 1-4: Radio disturbances and immunity measuring apparatus— Ancillary equipment—Radiated disturbances	16.1.4	Part 1.4: Radio disturbances and immunity measuring apparatus— Ancillary equipment—Radiated disturbances
16-4-2	Part 4-2: Uncertainties, statistics and limit modelling—Uncertainty in EMC measurements	16.4.2	Part 4.2: Uncertainties, statistics and limit modelling—Uncertainty in EMC measurements
22	Information technology equipment— Radio disturbance characteristics— Limits and methods of measurements	22	Information technology equipment— Radio disturbance characteristics— Limits and methods of measurements

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

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