AS/NZS 61000.6.3:2012 IEC 61000-6-3, Ed.2.1 (2011)

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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This Standard was issued in draft form for comment as DR AS/NZS 61000.6.3.

Australian/New Zealand Standard[™]

Electromagnetic compatibility (EMC)

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

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

IEC		AS/NZS
61000	Electromagnetic compatibility (EMC)	61000
61000-3-2	Part 3-2: Limits—Limits for harmonic	61000.3.2
	current emissions (equipment input	
	current ≤ 16 A per phase)	

- 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
- 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

61000-3-12 Part 3-12: Limits—Limits for harmonic currents produced by equipment connected to public lowvoltage systems with input current >16 A and ≤75 A per phase Electromagnetic compatibility (EMC)

3.2 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 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 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 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

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nagnetic compatibility— ments for household appliances,
Emission
cation for radio disturbance and ty measuring apparatus and s
: Radio disturbances and ty measuring apparatus— ry equipment—Radiated ances
: Uncertainties, statistics and odelling—Uncertainty in EMC ements
tion technology equipment— isturbance characteristics— 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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