

Australian/New Zealand Standard™

Electromagnetic compatibility (EMC)

Part 6.1: Generic standards—Immunity for residential, commercial and light- industrial environments



AS/NZS 61000.6.1:2006

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Interferences. It was approved on behalf of the Council of Standards Australia on 10 April 2006 and on behalf of the Council of Standards New Zealand on 19 May 2006.

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Australian Chamber of Commerce and Industry
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Electrical Compliance Testing Association
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This Standard was issued in draft form for comment as DR 06055.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 61000.6.1:2006

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NOTES

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Originated as AS/NZS 4252.1:1994.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Interferences to supersede AS/NZS 4252.1:1994, as one of a series of Standards intended to facilitate control of electromagnetic interference and the compatibility of electrical and electronic equipment.

This Standard is identical with, and has been reproduced from IEC 61000-6-1:2005, *Electromagnetic compatibility (EMC) - Part 6-1: Generic standards—Immunity for residential, commercial and light-industrial environments*.

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.

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 AS/NZS Standard’.
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References to International Standards should 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	
60050	International Electrotechnical Vocabulary (IEV)		
60050-161	Chapter 161: Electromagnetic compatibility	—	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-4	Part 4: Testing and measurement techniques		
61000-4-2	Section 2: Electrostatic discharge immunity test	61000.4.2	Part 4.2: Testing and measurement techniques—Electrostatic discharge immunity test
61000-4-3	Section 3: Radiated, radio-frequency, electromagnetic field immunity test	61000.4.3	Part 4.3: Testing and measurement techniques—Radiated radio-frequency electromagnetic field immunity test
61000-4-4	Section 4: Electrical fast transient/burst immunity test	61000.4.4	Part 4.4: Testing and measurement techniques—Electrical fast transient/burst immunity test.
61000-4-5	Section 5: Surge immunity test	61000.4.5	Part 4.5: Testing and measurement techniques—Surge immunity test
61000-4-6	Section 6: Immunity to conducted disturbances, induced by radio-frequency fields	61000.4.6	Part 4.6: Testing and measuring techniques—Immunity to conducted disturbances, induced by radio-frequency fields

IEC		AS/NZS	
61000-4-8	Section 8: Power frequency magnetic field immunity test	61000.4.8	Part 4.8: Testing and measurement techniques—Power frequency magnetic field immunity test
61000-4-11	Section 11: Voltage dips, short interruptions and voltage variations immunity tests	61000.4.11	Part 4.11: Testing and measurement techniques—Voltage dips, short interruptions and voltage variations immunity tests (IEC 61000-4-11, Ed. 2.0 (2004) MOD)
CISPR		AS/NZS CISPR	
22	Information technology equipment—Radio disturbance characteristics—Limits and methods of measurement	22	Information technology equipment—Radio disturbance characteristics—Limits and methods of measurement

CONTENTS

	<i>Page</i>
1 Scope and object	1
2 Normative references	2
3 Terms and definitions	3
4 Performance criteria	4
5 Conditions during testing	4
6 Product documentation.....	5
7 Applicability.....	5
8 Immunity test requirements	5
Bibliography	11
Table 1—Immunity—Enclosure port	7
Table 2—Immunity—Signal ports.....	8
Table 3—Immunity—Input and output DC power ports	9
Table 4—Immunity—Input and output AC power ports.....	10