

AS/NZS 61000.4.5:1999  
IEC 61000-4-5:1995

Australian/New Zealand Standard™

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**Electromagnetic compatibility (EMC)**

**Part 4.5: Testing and measurement  
techniques—Surge immunity test**

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[IEC title: Electromagnetic compatibility (EMC), Part 4: Testing and measurement techniques, Section 5: Surge immunity test]

## **AS/NZS 61000.4.5:1999**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE/3, Electromagnetic Interference. It was approved on behalf of the Council of Standards Australia on 6 November 1998 and on behalf of the Council of Standards New Zealand on 12 November 1998. It was published on 5 March 1999.

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**Part 4.5: Testing and measurement techniques—Surge immunity test**

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE/3, Electromagnetic Interference, 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 61000-4-5:1995, *Electromagnetic compatibility (EMC), Part 4: Testing and measurement techniques, Section 5: Surge immunity test*, including Corrigendum: October 1995. The Corrigendum is bound at the rear of this Standard and the affected text is indicated by a marginal bar.

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.

Since January 1997, IEC has applied 60000 numbering system to its publications and has modified its database accordingly. References in IEC publications issued since January 1997 are given in terms of the 60000 series numbering, e.g. IEC 1147 is referenced as IEC 61147.

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<i>Reference to International Standard or other Publication</i>	<i>Australian Standard</i>
IEC	AS
60050(161) International Electrotechnical Vocabulary (IEV)—Chapter 161: Electromagnetic compatibility	—
60060 High-voltage test techniques	1931 High-voltage test techniques
60060-1 Part 1: General definitions and test requirements	1931.1 Part 1: General definitions and test requirements
60469 Pulse techniques and apparatus	—
60469-1 Part 1: Pulse terms and definitions	—

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