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Electromagnetic compatibility (EMC)

Part 4.5: Testing and measurement techniques—Surge immunity test



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- Australian Communications and Media Authority
 - Australian Industry Group
 - Australian Information Industry Association
 - Consumer Electronics Suppliers Association
 - Curtin University of Technology
 - Department of Defence (Australian Government)
 - Electrical Compliance Testing Association
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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AS IEC 61000.4.5:2017

Australian Standard[®]

Electromagnetic compatibility (EMC)

Part 4.5: Testing and measurement techniques—Surge immunity test

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Compatibility, to supersede AS/NZS 61000.4.5:2006, *Electromagnetic compatibility (EMC), Part 4.5: Testing and measurement technique—Surge immunity test*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide guidance in relation to the immunity requirements, test methods, and range of recommended test levels for equipment with regard to unidirectional surges caused by over-voltages from switching and lightning transients.

This Standard is identical with, and has been reproduced from IEC 61000-4-5:2014 (ED.3.0), *Electromagnetic compatibility (EMC), Part 4-5: Testing and measurement techniques—Surge immunity test*.

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

- (a) In the source text ‘this part of 61000’ should read ‘this Australian Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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