

Australian/New Zealand Standard™

Electromagnetic compatibility (EMC)

Part 4.34: Testing and measurement techniques—Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current more than 16 A per phase (IEC 61000-4-34, Ed. 1.0 (2005) MOD)



AS/NZS 61000.4.34:2007

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Australian Electrical and Electronic Manufacturers Association
Australian Energy Market Commission
Australian Information Industry Association
Bureau of Steel Manufacturers of Australia
Consumers Federation of Australia
Electrical Regulatory Authorities Council
Electricity Engineers Association (New Zealand)
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-034, Power Quality.

The objective of this Standard is provide manufacturers and suppliers of electricity and users of electrical equipment intended for connection to an electrical network, with a common reference for evaluating the immunity of electrical and electronic equipment for rated input current exceeding 16 A per phase, when subjected to voltage dips, short interruptions and voltage variations and methods for ascertaining compliance to them in order to maintain electromagnetic compatibility within the electrical network.

This Standard is an adoption with national modifications and has been reproduced from IEC 61000-4-34, Ed. 1.0 (2005), *Electromagnetic compatibility (EMC) – Part 4-34: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current more than 16 A per phase*, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 61000-4-34, Ed. 1.0 (2005) are indicated at the appropriate places throughout this Standard. Strikethrough (~~example~~) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border.

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