

Australian/New Zealand Standard™

**Electrical installations—Shows and
carnivals**

AS/NZS 3002:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-001, Wiring Rules. It was approved on behalf of the Council of Standards Australia on 2 July 2002 and on behalf of the Council of Standards New Zealand on 20 June 2002. It was published on 24 July 2002.

The following are represented on Committee EL-001:

Association of Consulting Engineers Australia
Australian Building Codes Board
Australian Electrical and Electronic Manufacturers Association
Communications, Electrical Plumbing Union
Electrical Contractors Association Qld
Electrical Contractors Association of New Zealand
Electrical Safety Organisation (New Zealand)
Electricity Supply Association of Australia
Institute of Electrical Inspectors
Institution of Engineers Australia
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Ministry of Economic Development (New Zealand)
National Electrical and Communications Association
National Utilities and Electrotechnology Industry Training Advisory Body
New Zealand Council of Elders
New Zealand Electrical Institute
Regulatory authorities (electrical)
Telstra Corporation

Additional interests participating in the preparation of this Standard:

Showmen's Guild of Australia
Canterbury Manufacturers' Association New Zealand

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Australian/New Zealand Standard™

Electrical installations—Shows and carnivals

Originated as AS 3002—1974.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-001 on Wiring Rules to supersede AS 3002—1985, *Electrical installations—Shows and carnivals*.

This edition was prepared to update requirements for the use of electricity for lighting and power purposes in tents, booths and other temporary structures and areas associated with shows, carnivals and the like following the issue of AS/NZS 3000:2000. It is to be noted that some States have legislation that calls up additional requirements to those contained in this Standard.

This Standard differs from AS 3002—1985 in several areas including the following:

- (a) It is now a Joint Standard and requirements specific to Australia only or New Zealand only are clearly indicated.
- (b) It has been designed to apply to installations ranging from large carnivals and circuses erected under the supervision of qualified electrical tradespeople on purpose designed sites to small fetes and shows where all temporary wiring with detachable connections might be installed by untrained persons.
- (c) The requirements for protection by residual current devices have been brought up to date.
- (d) Recommendations for in-service testing of electrical equipment used on shows and carnivals sites have been added.

This Standard may be applied through legislative requirement, from a date to be set by the relevant Regulatory Authority. If work on an installation was commenced before publication of this edition, the relevant Regulatory Authority or Electricity Distributor may grant permission for the installation to be completed under AS 3002—1985.

Appendices A and B are included to provide additional supportive or background information and advice. These appendices do not form an integral part of this Standard and are identified as 'informative'.

The word 'shall' introduces a requirement that is to be followed strictly in order to comply with the Standard. The word 'should' introduces a suggestion or recommendation only.

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FOREWORD

Special Requirements

Any requirements that may be applicable in Australia only or New Zealand only are indicated in the text and by a symbol in the right margin as follows:

‘In Australia.....’

A

‘In New Zealand.....’

NZ

Certain requirements that are nominated in New Zealand regulations are indicated in the right margin by the symbol shown.

NZR

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Electrical installations—Shows and carnivals

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for the supply of electricity at low-voltage to, and for temporary wiring within, concessions, tents, living quarters and other temporary structures used for entertainment or display and purposes associated therewith in shows, carnivals and in temporary low-voltage electrical installations such as those installed in temporary tent cities used for scouting jamborees, army camps and similar events. It also makes recommendations for the in-service testing of portable and fixed electrical equipment used on such sites.

NOTES:

- 1 For the purpose of this Standard, a low-voltage electrical installation which is intended to be connected to a permanent source of low-voltage electrical power supply for a period of not more than 4 weeks shall be deemed to be a temporary site low-voltage electrical installation.
- 2 Recommendations regarding testing are set out in Appendix A.

This Standard does not apply to fixed wiring within low-voltage electrical installations used in shows, carnivals and other similar events.

1.2 APPLICATION

Electrical installations shall be carried out in accordance with the appropriate requirements of AS/NZS 3000, except as varied herein, and with the applicable additional requirements of this Standard.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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| 1939 | Degrees of protection provided by enclosures for electrical equipment (IP Code) |
| 2790 | Electricity generating sets—Transportable (Up to 25 kW) |
| 3010 | Electrical installations—Supply by generating set |
| 3010.1 | Part 1: Internal combustion engine driven sets |
| 3190 | Approval and test specification—Residual current devices (current-operated earth-leakage devices) |
| 3439 | Low-voltage switchgear and controlgear assemblies |
| 3439.4 | Part 4: Particular requirements for assemblies for construction sites (ACS) |
| 3533 | Amusement rides and devices |

AS/NZS

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| 3000 | Electrical installations (known as the Australian/New Zealand Wiring Rules) |
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