

Australian/New Zealand Standard™

**Electrical installations—Shows and  
carnivals**



## **AS/NZS 3002:2008**

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 20 November 2008 and on behalf of the Council of Standards New Zealand on 13 November 2008.  
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The following are represented on Committee EL-001:

Australian Building Codes Board  
Australian Industry Group  
Canterbury Manufacturers Association New Zealand  
Communications, Electrical and Plumbing Union  
Consumers' Federation of Australia  
Electrical and Communications Association (Queensland)  
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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

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Australian/New Zealand Standard™

## **Electrical installations—Shows and carnivals**

Originated as AS 3002—1974.  
Previous edition AS/NZS 3002:2002.  
Fourth edition AS/NZS 3002:2008.

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-001, Wiring Rules, to supersede AS/NZS 3002:2002 on publication.

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 in conjunction with the issue of the AS/NZS 3000:2007. 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/NZS 3002:2002 in several areas including the following:

- (a) Underground wiring requirements have been updated.
- (b) Switchboards enclosure requirements have been updated.
- (c) Requirements of inverters powered by photovoltaic systems and/or batteries have been added.
- (d) Cascadable reticulation units 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 Authority may grant permission for the installation to be completed under AS/NZS 3002:2002 as applicable.

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

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

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out requirements for the supply of electricity at low-voltage by wiring systems to power consuming devices used for accommodation, entertainment or display purposes within—

- (a) concessions;
- (b) tents;
- (c) living quarters; and
- (d) other structures

associated with events with a maximum duration of four weeks.

For the purposes of this Standard, events include exhibitions, shows, carnivals, scouting jamborees, army camps and the like.

Events with a duration exceeding four weeks shall comply with the requirements of AS/NZS 3000.

Recommendations are also made for the in-service testing of portable and fixed electrical equipment used on such sites.

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

This Standard does not apply to permanent wiring within transportable structures and vehicles used in shows, carnivals and other similar events, which follow the requirements of AS/NZS 3001.

This Standard also does not apply to amusement rides and devices, which follow the requirements of AS 3533.

NOTE: Recommendations for testing are given in Appendix A.

**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.

This Standard may be applied through legislative requirements, made in each State and Territory of Australia and in New Zealand, concerned with the safety of electrical installations. The Standard may also be applied in conjunction with any additional requirements, exemptions or restrictions in such legislation.