

AS/NZS 3002:2021



Australian/New Zealand Standard™

Electrical installations — Shows, carnivals and events



AS/NZS 3002:2021

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 04 June 2021 and by the New Zealand Standards Approval Board on 04 May 2021.

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The following are represented on Committee EL-001:

- Australian Building Codes Board
- Australian Energy Council
- Australian Industry Group
- Communications, Electrical and Plumbing Union — Electrical Division
- Consumers Federation of Australia
- Electrical Regulatory Authorities Council
- Electrical Safety New Zealand
- Electrical Workers Registration Board
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- Master Electricians Australia
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- National Electrical and Communications Association
- National Electrical Switchboard Manufacturers Association
- New Zealand Manufacturers and Exporters Association
- WorkSafe New Zealand

Additional Interests

- B&R Enclosures Pty Ltd
- Coates Hire
- Focused Quality Systems
- Triple Electrical Inspections

This Standard was issued in draft form for comment as DR AS/NZS 3002:2020.

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Australian/New Zealand Standard™

Electrical installations — Shows, carnivals and events

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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 3002:2008, *Electrical installations — Shows and carnivals*.

This edition was prepared to update requirements for the use of electricity for lighting and power in concessions, stands, tents, booths and other shows carnivals and event structures and areas associated with shows, carnivals, events and the like in conjunction with the issue of AS/NZS 3000:2018. 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 3002:2008 in several areas including the following:

- (a) The structure of this Standard is similar to AS/NZS 3000 with respect to the flow of information contained within.
- (b) Shows, carnivals and events, public events and limited domestic events are encompassed.
- (c) [Section 2](#) provides requirements for electrical installation wiring.
- (d) [Section 3](#) provides requirements for event wiring, equipment and appliances that are present during the event only.
- (e) The requirements around the use of three-pin plug adaptors (tapon, piggyback or similar fittings) have been added to ensure the safety of their use.
- (f) There is an emphasis on electrical safety at shows, carnivals and events.
- (g) A number of appendices from AS/NZS 3000:2018 are provided as reference material.
- (h) Specific requirements are included for periodic assessment of events installations in [Appendix C](#).
- (i) Guidance is provided for initial and periodic verification of event wiring.

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, refer to the relevant authority regarding permission for the installation to be completed under AS/NZS 3002:2008 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.

See Foreword for information on how to interpret and use this Standard.

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Foreword

Application of typefaces

Four different typefaces are used in this Standard. Each of these has a specific purpose as follows:

- (a) **Bold print indicates opening statements defining the fundamental principles and requirements.**
- (b) Normal print indicates requirements that form the main part of a clause. It also indicates deemed to comply methods that satisfy the requirements. Normal print is used in the Appendices to present informative material for guidance only.
- (c) *Italic print indicates exceptions or variations to requirements. Exceptions generally give specific examples where the requirements do not apply or where they are varied for certain applications. They may contain requirements. Examples are also presented in italic text.*
- (d) Reduced normal print indicates notes which give explanations and advice. They are preceded by “NOTE” in the manner used in previous editions.

It is important not to read text in any single typeface without consulting the preceding or following paragraphs, which may contain additional or modifying requirements.

National requirements

Certain provisions of the Standard have a different application in Australia and New Zealand. The following symbols appearing in the outer margin indicate that the identified Section or Clause is:

- (i) Applicable in Australia only. A
- (ii) Applicable in New Zealand only. NZ

Informative appendices

An informative appendix is for information or guidance only. Informative appendices provide additional information intended to assist in the understanding or use of the Standard.

Informative

For information and guidance only.

Normative

A term used to describe an element of a Standard to which it is necessary to conform in order to be able to claim compliance with the Standard.

Deemed to comply

The term “deemed to comply” means that a requirement can be met by following a specified Standard or method.

So, where an installation is carried out in accordance with the specified Standard or method, within the text of this Standard, the installation is “deemed to comply” with the requirements of this Standard.

Conformance to a deemed to comply Standard may exceed the minimum requirements of this Standard.

Notes

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

Notes to clauses are informative and give explanations or advice. They do not form a mandatory part of this Standard.

Cross-references

Where reference to another clause has been made, such reference, unless otherwise stated, includes all appropriate subclauses and paragraphs of the clause or portion thereof referred to.

Frequently asked questions (FAQs)

Answers to FAQs can be found online at the following web address:

www.standards.org.au/faqs

Clarifications to requirements of the Wiring Rules that were covered by Rulings and Interpretations in earlier editions will be included in FAQs as the need arises. These FAQs are applicable throughout Australia and New Zealand and are developed by the Joint Standards Australia/Standards New Zealand Committee EL-001, Wiring Rules.

Provision for revision

This Standard is not intended to discourage invention or to exclude materials, equipment and methods that may be developed. Revisions will be made from time to time in view of such developments and Amendments to this edition will be made where essential.

Australian/New Zealand Standard

Electrical installations — Shows, carnivals and events

Section 1 Scope and general

1.1 Scope

1.1.1 General

This Standard sets out requirements for the supply of electricity to power consuming devices for —

- (a) shows, carnivals and events;
- (b) public events; and
- (c) limited duration private domestic or private corporate events where attendance is expected to be in excess of 30 people or when staff are employed for the event.

Where an event is held at premises not normally used for events; this Standard applies to the event wiring of the event.

The particular requirements of this Standard are additional to, replace, or modify the general requirements of AS/NZS 3000 for the electrical wiring of shows, carnivals and events.

Where this Standard does not specify a requirement, the relevant requirements of AS/NZS 3000 apply.

NOTE See [Appendices E](#) and [F](#) for information on degrees of protection of enclosed equipment and WS classification of wiring systems from AS/NZS 3000:2018.

1.1.2 Inclusions

This Standard applies to the supply of electricity at low voltage to power consuming devices used for commercial, entertainment or display purposes at shows, carnivals and events within the event perimeter including but are not limited to the following:

- (a) Concessions.
- (b) Tents.
- (c) Vending stalls.
- (d) Catering services.
- (e) Other structures associated with events either permanent or for the duration of an event.
- (f) Limited duration events at showgrounds, amusement parks and circuses.
- (g) Limited duration private domestic or private corporate events where attendance is expected to be in excess of 30 people or when staff are employed for the event.

For the purposes of this Standard, public events include exhibitions, shows, carnivals, farmers markets, craft markets and the like.

This Standard may also be used for scouting jamborees, military camps or civil defence shelters in conjunction with the AS/NZS 3001 series.

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