

AS 3002—1985

Australian Standard[®]

**Electrical installations—Shows and
carnivals**

This Australian standard was prepared by Committee EL/1, Wiring Rules. It was approved on behalf of the Council of the Standards Association of Australia on 12 November 1984 and published on 4 March 1985.

The following interests are represented on Committee EL/1:

Association of Consulting Engineers Australia
Australian Consumers Association
Australian Electrical and Electronic Manufacturers Association Ltd
Confederation of Australian Industry
Department of Housing and Construction
Electrical Contractors Associations of Australia
Electrical Regulatory Authorities
Electricity Supply Association of Australia
Electrical Trades Union of Australia
Institute of Electrical Inspectors
Institution of Engineers Australia
Insurance Council of Australia
Telecom Australia

Representatives of the following interest also participated in the drafting of this standard:

Showman's Guild of Australia

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PREFACE

This edition of this standard was prepared by the Association's Committee on Wiring Rules. It supersedes AS 3002—1974, SAA Code for Electrical Installations of Shows and Carnivals.

The purpose of the standard is to establish sound practices 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.

This standard differs from the previous edition as follows:

- (a) The text has been entirely redrafted and is now arranged in four Sections.
- (b) Four different types of installations have been identified, defined and the requirements for them detailed.
- (c) The requirements for festoon lighting have been revised and the standard now includes requirements for electrical portable outlet devices and riding devices.
- (d) Typical installation arrangements are now given in Appendix A.

It is to be noted that some States have legislation that calls up additional requirements to those contained in this standard.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
ELECTRICAL INSTALLATIONS—SHOWS AND CARNIVALS

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard sets out requirements for electrical installations within, and for the supply to, concessions, tents, living quarters and other temporary structures used for entertainment or display and purposes associated therewith in shows, carnivals and similar temporary installations.

NOTE: For the purpose of this standard, an installation which is not intended to be connected to a permanent source of supply for a period of more than 4 weeks, or such other period as may be authorized by the Inspecting Authority, shall be deemed to be a temporary installation.

This standard does not apply to the following electrical installations:

- (a) In caravans and caravan trailers which are subject to the requirements of AS 3001.
- (b) In transportable sheds and the like, temporary premises or structures not intended to be relocated, e.g. old tramcars, buses or caravans rendered immobile by the removal of wheels, which are subject to the requirements of AS 3000.
- (c) Of temporary builders supplies and temporary wiring in permanent buildings which are subject to the requirements of AS 3000.
- (d) In tents, annexes attached to caravans and similar temporary structures for domestic purposes which are subject to the requirements of AS 3005.

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

1.3 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

AS 1074	Steel Tubes and Tubulars Threaded or Suitable for Threading with Pipe Threads of Whitworth Form
AS 1480	SAA Concrete Structures Code
AS 1939	Classification of Degrees of Protection Provided by Enclosures for Electrical Equipment
AS 3000	SAA Wiring Rules
AS 3001	Electrical Installations of Caravans and Caravan Parks
AS 3005	Electrical Installations of Tents and Similar Temporary Structures
AS 3105	Approval and Test Specification for Electrical Portable Outlet devices

AS 3112	Approval and Test Specification for Plugs and Plug Sockets
AS 3126	Approval and Test Specification for Extra-low Voltage Transformers
AS 3152	Approval and Test Specification for Decorative Lighting Outfits
AS 3167	Approval and Test Specification for Protective Isolating Transformers
AS 3190	Approval and Test Specification for Current-operated (Core Balance) Earth Leakage Devices
AS 2790	Electricity Generating Sets (up to 25 kW) —Transportable
AS YYYY	Electricity Supply by Generating Sets*
AS ZZZZ	Industrial Plugs and Plug Sockets*

1.4 DEFINITIONS. For the purpose of this standard, the following definitions apply:

1.4.1 Concession—any booth, display, riding device or any other single entertainment unit.

1.4.2 Concession installation—all the electrical wiring, accessories, luminaires, switchboards, control panels, fittings, consuming devices, control and protective gear and other equipment associated with the wiring of a concession. The concession installation shall be deemed to commence at the plug socket, terminals or links provided on the site installation for the connection of the concession.

1.4.3 Site—any area used for shows, circuses, carnivals, fairs, temporary entertainment or displays and the like.

1.4.4 Site installation—all the electrical wiring, accessories, luminaires, switchboards, control panels, fittings, consuming devices, control and protective gear and other equipment associated with the wiring of a site.

1.4.5 Permanent site installation—any part of the site installation that is permanently or indefinitely located in position.

1.4.6 Temporary site installation—any part of the site installation that is intended to be erected only during the period of site occupancy.

NOTE: Typical installation arrangements are shown in Appendix A.

* In the course of preparation