

Australian/New Zealand Standard™

**Electrical installations—Relocatable  
premises (including caravans and tents)  
and their site installations**



Standards Australia



STANDARDS  
NEW ZEALAND  
*Te Kaitiaki Take Kōwhiri*

## **AS/NZS 3001:2001**

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 15 September 2001 and on behalf of the Council of Standards New Zealand on 12 October 2001. It was published on 7 December 2001.

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The following interests are represented on Committee EL-001:

Association of Consulting Engineers Australia  
Australian Building Codes Board  
Australian Electrical and Electronic Manufacturers Association  
Canterbury Manufacturers Association New Zealand  
Communications, Electrical Plumbing Union  
Electrical Contractors Association of New Zealand  
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Regulatory authorities (electrical)  
Telstra Corporation

Additional interests:

Caravan Industry Australia  
Manufactured Housing Industry Association of N.S.W.  
New Zealand Defence Force  
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# Australian/New Zealand Standard™

## **Electrical installations—Relocatable premises (including caravans and tents) and their site installations**

Originated as AS 3001—1959 and AS 3005—1982.  
Previous edition AS 3001—1990.  
AS 3001—1990 and AS 3005—1982 jointly revised,  
amalgamated and designated as AS/NZS 3001:2001.

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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 3001—1990, *Electrical installations—Movable premises (including caravans) and their site installations* and AS 3005—1982 *Electrical installations of tents and similar temporary structures for domestic purposes*.

This edition was prepared to update requirements for electrical installations of relocatable premises and their site installations following the issue of AS/NZS 3000:2000. It includes provisions for the connection of electric power to various types of relocatable premises, including caravans and tents and similar temporary structures used for domestic purposes.

This Standard differs from AS 3001—1990 in several areas including the following:

- (a) The Standard is now joint and requirements specific to Australia or New Zealand are clearly indicated.
- (b) The scope has been widened to include requirements for tents and similar temporary structures for domestic purposes; relocatable premises used on construction and demolition sites, and to specifically address registrable relocatable premises which are primarily for human occupation other than for accommodation purposes.
- (c) Overhead wiring requirements have been updated.

This Standard may be applied through legislative requirement, from a date to be set by the relevant regulating 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 3001—1990 or AS 3005—1982 or NZS 3000:1997, as applicable.

The following background regarding differences between requirements in Australia and New Zealand is provided as general information for the reader.

In New Zealand, many caravans are fitted with a neutral-earth link. This precludes providing RCD protection to the caravan by the installation of RCDs on the supply side of the neutral-earth connection. In Australia, such a link is traditionally not fitted.

In New Zealand, it is typical for the plug on the supply lead to relocatable premises, and hence for all socket-outlets intended to provide electrical power to such relocatable premises, to comply with IEC 60309-2. In Australia, 3 pin, flat pin plugs complying with AS/NZS 3112 are the norm. This Standard reflects changes in New Zealand allowing the provision of socket-outlets complying with AS/NZS 3112 to be installed in New Zealand caravan parks.

In Australia, the use of round-pin plugs and socket-outlets complying with AS 3123 is allowed but flat-pin type connections are most commonly used for single phase supplies to relocatable premises.

In Australia it is required that all circuit-breakers and switches in the fixed wiring of relocatable premises operate in all live (active and neutral) conductors. This is not required in New Zealand.

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.

## 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**

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**Electrical installations—Relocatable premises (including caravans and tents) and their site installations**


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## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out requirements for electrical installations associated with relocatable premises intended for connection to low-voltage a.c. supply systems (i.e. exceeding 50 V a.c. but not exceeding 1 000 V a.c.).

It includes requirements for the internal electrical installation of applicable relocatable premises and for certain types of electrical installations intended to supply electrical power to those premises. Such installations include caravan parks and camping areas with powered sites but excludes fairgrounds and temporary camping sites, which are subject to the requirements of AS/NZS 3002, and construction and demolition sites, which are subject to the requirements of AS/NZS 3012.

Relocatable premises within the coverage of this Standard include the following:

- (a) Registrable vehicles offering accommodation, including caravans, camper vans, motor homes, camper trailers and livestock or car transporters with accommodation included.
- (b) In New Zealand, other registrable premises including food and drink vending vans and trailers, mobile x-ray caravans, mobile blood banks, walk-through educational display caravans and trailers, mobile classrooms, television outside broadcast vans. NZ
- (c) Non-registrable relocatable premises including relocatable homes, transportable huts, tents for accommodation, and rigid and non-rigid annexes to premises referred to in (a) and (b).
- (d) Temporary site offices, cloakrooms, meeting offices, dormitories, canteens, toilets or other facilities provided on construction and demolition sites.
- (e) In New Zealand, registrable display units not requiring occupation, e.g. mobile electronic score boards and advertising signs, mobile traffic information signs NZ

This Standard does not apply to the following electrical installations:

- (i) Relocatable premises with a permanently connected electricity supply and not intended to be relocated, e.g. tramcars, buses or caravans rendered immobile, transportable sheds.

These are subject to the requirements of AS/NZS 3000.

- (ii) Registrable vehicles with fixed wiring that are amusement rides or concessions. These are subject to the requirements of AS 3533.
- (iii) In Australia other registrable premises including food and drink vending vans and trailers, mobile x-ray caravans, mobile blood banks, walk-through educational display caravans and trailers, mobile classrooms, television outside broadcast vans. A

NOTE: It is intended that the inclusion of at least some of these items in the scope for Australia will be investigated in the near future.