

Australian/New Zealand Standard™

**Electrical installations—Periodic
verification**



AS/NZS 3019:2007

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 26 October 2007 and on behalf of the Council of Standards New Zealand on 23 October 2007.

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The following 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 and Plumbing Union
Consumers' Federation of Australia
Electrical Contractors Association of New Zealand
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Electrical installations—Periodic verification

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-001 Wiring Rules. The Standard aims to provide persons who carry out periodic verification, by inspection and/or testing, with the means to determine, as far as reasonably practicable, whether the installation and all its constituent equipment is in a safe condition for continued use, and that the electrical installation complies with safety requirements for the prevention of fire and the protection of persons and livestock from electric shock.

AS/NZS 3019 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, that require certain electrical installations to be inspected and tested from time to time. Additionally, verification of an electrical installation may be requested by the owner/occupier or another organization.

This Standard differs from the previous New Zealand-only edition, NZS 3019:2004, in that three levels of verification are specified: by basic visual inspection, by visual inspection and limited testing, and by visual inspection and full testing, rather than the verification of specific types of installations. Verification of caravans and pleasure craft previously covered will be contained in the new editions of AS/NZS 3001 and AS/NZS 3004 Part 2 respectively, which are expected to be published in 2008.

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SECTION 1 SCOPE AND GENERAL**1.1 Scope**

This Standard sets out the requirements for periodic verification of existing electrical installations which are connected to a low voltage a.c. supply system (exceeding 50 V a.c. but not exceeding 1000 V a.c.).

Verification, by inspection and/or testing is intended, as far as reasonably practicable, to determine whether the installation and all its constituent equipment is in a safe condition for continued use.

NOTE — Inspection and testing to this Standard should provide evidence that the installation complies with the relevant requirements at the time of construction of the installation.

This Standard does not apply to the periodic verification of the following electrical installations:

- (a) Installations designed and constructed to the AS/NZS 3000 provisions relating to specific design and installation. Refer to the verification specification prepared for the installation as required by AS/NZS 3000;
- (b) Installations of the following types:
 - (i) Relocatable installations and their site installations. Refer to AS/NZS 3001
 - (ii) Marinas and pleasure craft installations. Refer to AS/NZS 3004
 - (iii) Hazardous areas. Refer to AS/NZS 2381.1 and AS/NZS 61241 series
 - (iv) Electro-medical areas. Refer to AS/NZS 3003, and in New Zealand only, the provisions of NZS 3003.1
 - (v) Shows and carnivals installations. Refer to AS/NZS 3002
 - (vi) Construction and demolition sites. Refer to AS/NZS 3012

In New Zealand it does not apply to:

- (c) Electrical installations and equipment which operate at non standard voltages and frequencies. Refer NZS 6114;
- (d) Mobile electro-medical relocatable installations. Refer NZS 6115; and
- (e) Areas of electrical installations where electrical animal stunning or meat conditioning occurs. Refer to NZS 6116.

NOTE — Periodic testing of appliances is covered by AS/NZS 3760.

1.2 Types of verification covered

This Standard provides for verification by:

- (a) Basic visual inspection;
- (b) Visual inspection and limited testing; and
- (c) Visual inspection and full testing.