

AS/NZS 4249:2022



Australian/New Zealand Standard™

# Electrical installations and safety practices — Film, video and television sites



AS/NZS 4249:2022

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-039, Electrical Safety — Film and Television Sites. It was approved on behalf of the Council of Standards Australia on 23 May 2022 and by the New Zealand Standards Approval Board on 4 May 2022.

This Standard was published on 10 June 2022.

The following are represented on Committee EL-039:

- Australian Industry Group
- Communications, Electrical and Plumbing Union — Electrical Division, Australia
- Consumer Electronics Suppliers Association, Australia
- Electrical Regulatory Authorities Council, Australia
- ElectroComms and Energy Utilities Industry Skills Council, Australia
- Free TV Australia
- Hire and Rental Industry Association of Australia
- Institute of Electrical Inspectors, Australia
- National Electrical and Communications Association, Australia
- Screen Industry Guild Aotearoa NZ
- Screensafe New Zealand
- Special Broadcasting Service, Australia
- WorkSafe New Zealand

This Standard was issued in draft form for comment as DR AS/NZS 4249:2021.

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ISBN 978 1 76113 804 1

Australian/New Zealand Standard™

# **Electrical installations and safety practices — Film, video and television sites**

Originated as AS/NZS 4249:1994.  
Second edition 2022.

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## Preface

This Standard was prepared by the joint Standards Australia/Standards New Zealand Committee EL-039, Electrical Safety — Film and Television Sites, to supersede AS/NZS 4249:1994, *Electrical safety practices—Film, video and television sites*.

The objective of this document is to specify safe working and installation practices for the supply and use of electricity for equipment, accessories and lighting on limited-duration film, video and television sites.

Major structural and content changes have been made to this edition. The following is a guide for users of this document to the new sections and the requirements covered:

- (a) [Section 1](#) provides the scope, inclusions and exclusions to this document.
- (b) [Section 2](#) provides all relevant safety requirements.
- (c) [Section 3](#) provides all relevant installation requirements.
- (d) [Section 4](#) provides initial and periodic verification requirements including documentation.

Users of this document are also advised to read and understand the requirements of [Clause 3.4](#) with respect to the transitional period that applies to types of residual current devices.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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## Foreword

### Application of typefaces

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

- (a) 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.
- (b) *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.*
- (c) 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 document have a different application in Australia and New Zealand. The following symbols appear at the start and end of text to indicate that the text is:

(i) Applicable in Australia only

AS

(ii) Applicable in New Zealand only

NZ

### Informative

For information and guidance only.

### Normative

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

### 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

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](http://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.