

Australian/New Zealand Standard

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

AS/NZS 4249:1994

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/39, Electrical Safety—Film and Television Sites. It was approved on behalf of the Council of Standards Australia on 11 August 1994 and on behalf of the Council of Standards New Zealand on 22 August 1994. It was published on 19 September 1994.

The following interests are represented on Committee EL/39:

Australian Broadcasting Corporation
Australian Electrical and Electronic Manufacturers Association
Australian Film Commission
Commercial Film Production Association
Federation of Australian Commercial Television Stations
Film lighting supply interests
Film Queensland
The Independent Producers and Directors Guild Inc. of New Zealand
Media Entertainment Arts Alliance
Ministry of Commerce, New Zealand
New Zealand Film and Video Technicians Guild
Office of Energy, New South Wales
Screen Production Association of Australia
Television New Zealand
Transportable generating set interests
WorkCover Authority N.S.W.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/39 on Electrical Safety—Film and Television Sites.

This Standard is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

The objective of this Standard is to specify safe working practices for the supply and use of electricity for lighting and power on film, video and television sites.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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1 SCOPE This Standard indicates the minimum safety requirements for temporary electrical installations which supply electricity to appliances and equipment on film, video and television sites and for the in-service testing of portable and transportable equipment used on these installations.

This Standard does not apply to electrical installations on theatre stages, concert locations and permanent television studios, except for additional equipment supplied through a temporary distribution system for film and television work.

2 APPLICATION Electrical work shall be carried out in accordance with the appropriate requirements of AS 3000 for Australia and The Electricity Regulations 1993 for New Zealand, except as varied herein and with the applicable additional requirements of this Standard.

This Standard applies to temporary electrical installations, portable distribution systems, appliances and equipment connected to temporary electrical supply used in connection with the following:

- (a) Dry hire studios.
- (b) Buildings and their environs used as temporary studios.
- (c) Interior and exterior locations.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1418 Cranes (including hoists and winches) (known as the SAA Crane Code)
- 2211 Laser safety
- 2790 Electricity generating sets—Transportable (Up to 25 kW)
- 3000 Electrical installations—Building, structures and premises (known as the SAA Wiring Rules)
- 3010 Electrical installations—Supply by generating set
- 3010.1 Part 1: Internal combustion engine driven sets
- 3760 In-service safety inspection and testing of electrical equipment

SAA

- HB13 Electrical equipment for hazardous areas

NZS

- 5821 Laser safety

AS

- 3100 **APPROVAL AND TEST SPECIFICATION**
General requirements for electrical equipment
- 3116 Electric cables—Elastomer insulated—For working voltages up to and including 0.6/1 kV
- 3147 Electric cables—Thermoplastic insulated—For working voltages up to and including 0.6/1 kV
- 3190 Residual current devices (current-operated earth-leakage devices)
- 3191 Electric flexible cords
- 3199 Approval and test specification for cord extension sets



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