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NEW ZEALAND ELECTRICAL CODE OF PRACTICE

for

ELECTRICAL SAFETY

of

FITTINGS AND ELECTRICAL APPLIANCES

Issued by the Office of
The Chief Electrical Engineer,
Operations and Risk Management Branch,
Ministry of Commerce,
Wellington, New Zealand

THE ELECTRICITY ACT 1992

Approval of the New Zealand Electrical Code of Practice for Electrical Safety of Fittings and Electrical Appliances 1998 (NZECP 3:1998) and the Revocation of the New Zealand Electrical Code of Practice for Electrical Safety of Fittings and Electrical Appliances 1995 (NZECP 3:1995)

Pursuant to section 38 of the Electricity Act 1992, I, hereby approve the New Zealand Electrical Code of Practice for Safety of Fittings and Electrical Appliances 1998 (NZECP 3:1998), and the Revocation of the New Zealand Electrical Code of Practice for Electrical Safety of Fittings and Electrical Appliances 1995 (NZECP 3:1995).

The New Zealand Electrical Code of Practice for Safety of Fittings and Electrical Appliances 1998 (NZECP 3:1998), and the Revocation of the New Zealand Electrical Code of Practice for Electrical Safety of Fittings and Electrical Appliances 1995 (NZECP 3:1995) were issued by the Manager of Energy Inspection acting under delegated authority (*pursuant to section 41 of the State Sector Act 1998*) from the Secretary of Commerce on the 28th day of July 1998.

Dated this 21st day of November 1998.

A handwritten signature in black ink, appearing to be 'M Bradford', written in a cursive style.

Max Bradford
Minister for Enterprise and Commerce

COMMITTEE REPRESENTATION

This Code of Practice was prepared by the Ministry of Commerce, Chief Electrical Engineer's Office in consultation with the following:

Electrical Consultants
Electrical Testing Laboratory

REVIEW

This Code of Practice will be revised as occasions arise. Suggestions for improvements of this Code are welcome. They should be sent to the Chief Electrical Engineer's Office, Ministry of Commerce, PO Box 1473, WELLINGTON.

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INTRODUCTION

This Code sets out the safety requirements for the design, construction, or manufacture of fittings and electrical appliances used in New Zealand.

ELECTRICAL SAFETY OF FITTINGS AND ELECTRICAL APPLIANCES

SECTION 1

SCOPE, REFERENCED DOCUMENTS, INTERPRETATION, GLOSSARY, NUMBERING, ELECTRICITY SUPPLY SYSTEM, MEANS OF CONNECTION AND PROHIBITED CLASS OF CONSTRUCTION OF ELECTRICAL APPLIANCES

1.1 SCOPE

This Code defines the requirements for the electrical safety of fittings and electrical appliances, that are intended to be connected to a low voltage electrical installation.

1.2 REFERENCE DOCUMENTS

- (a) Testing Laboratories Registration Act 1972.
- (b) The following Standards are referred to in the text of this Code:

AS 1939:1990	Degrees of Protection Provided by Enclosures for Electrical Equipment (<i>IP Code</i>).
AS/NZS 3100:1997	General Requirements for Electrical Equipment.
AS/NZS 3350.1:1994	Safety of Household and Similar Electrical Appliances Part 1: General Requirements.
AS/NZS 3350.2.98:1998	Safety of Household and Similar Electrical Appliances Part 2: Particular Requirements - Humidifiers.
AS/NZS 4417:1996	Parts 1, 2 and 3 Marking of Electrical Products to Show Compliance with Regulations.
IEC/TR3 60083:1997	Plugs and Socket-Outlets for Domestic and Similar General Use.

1.3 INTERPRETATION

In this Code, unless the context otherwise requires:

- 1.3.1 Class 0 electrical appliance - means an electrical appliance in which protection against electric shock relies upon basic insulation.
- 1.3.2 Class 0I electrical appliance - means an electrical appliance having at least basic insulation throughout and incorporating an earthing terminal but with a supply cord without an earthing conductor and a plug without an earthing contact.
- 1.3.3 Class I electrical appliance - means an electrical appliance:
- (a) In respect of which protection against electric shock does not rely on basic insulation only; and
 - (b) That is designed so that exposed conductive parts are connected to the protective earthing conductor of the installation to which the appliance is connected, so that those exposed conductive parts do not become live in the event of the failure of the basic insulation.
- 1.3.4 Class II electrical appliance - means an electrical appliance in which protection against electric shock does not rely on basic insulation only but in which additional safety precautions, such as double insulation or reinforced insulation are provided.
- 1.3.5 Official electrical safety standard - means any of the standards listed in the First Schedule to this Code.
- 1.3.6 Reinforced insulation - means a single insulation system applied to live parts that provides the degree of protection against electric shock that is provided by the use of double insulation.
- 1.3.7 Tool - means any object that could be used to fix or unfix any fitting, and without limitation includes objects such as screwdrivers, knives, and coins.

1.4 GLOSSARY OF ABBREVIATIONS USED IN THIS CODE

a.c.	Alternating current
AS	Australian Standard
AS/NZS	Australian/New Zealand joint Standard
BS	British Standard
d.c.	Direct current
EN	CEN/CENELEC Standard (European Norm)
Hz	Hertz
IEC/TR	International Electrotechnical Commission/ Technical Report
kV	Kilo-volts
NZS/AS	New Zealand Australia Harmonised Standard

RCD	Residual current device
V	Volts
VA	Volt-amperes

1.5 NUMBERING SYSTEM OF THIS CODE

- 1.5.1 Sections are numbered from 1 to 3.
- 1.5.2 Subsections are numbered by one full stop between two numbers (*e.g.* 1.4).
- 1.5.3 Clauses are numbered by two full stops between three numbers (*e.g.* 2.5.2).
- 1.5.4 Paragraphs contain numbering punctuated by one or more full stops together with a parenthesised letter.
- 1.5.5 Unless otherwise specified, references in this Code to sections, subsections, clauses, and paragraphs, are references to those of this Code.

1.6 ELECTRICITY SUPPLY SYSTEM

- 1.6.1 Electrical installations operating at standard low voltage shall have the electricity supplied by either a single-phase MEN system or a multiple-phase MEN system, a nominal voltage of 230 volts a.c. between phase and neutral.
- 1.6.2 The injection of frequencies for load control, other than the standard frequency of 50 Hz, shall be taken into account in the design of fittings and electrical appliances.

1.7 MEANS OF CONNECTION

- 1.7.1 Electrical appliances, other than those intended to be permanently connected to the fixed wiring, shall be provided with one of the following means of connection to the supply:
 - (a) A supply cord fitted with a plug;
 - (b) An appliance inlet;
 - (c) Pins for insertion into socket-outlets.

1.7.2 Supply cords for single-phase portable electrical appliances having a rating not exceeding 10 A shall be fitted with a plug complying with AS/NZS 3112.

1.8 PROHIBITED CLASS OF CONSTRUCTION OF ELECTRICAL APPLIANCES

Class 0 and Class 0I construction of electrical appliances are prohibited.

SECTION 2

ESSENTIAL SAFETY AND SPECIFIC REQUIREMENTS

2.1 PROTECTION AGAINST HAZARDS DURING NORMAL USE

- 2.1.1 Electrical appliances shall be designed and constructed so that in normal use they cause no danger from electric shock, heat, fire, or mechanical action.
- 2.1.2 Electrical appliances shall be designed and constructed so that, should careless use of the appliance occur in normal service, the dangers of electric shock or fire, and the risks of injury or damage from heat, or mechanical action, are minimised.
- 2.1.3 Electrical appliances shall be constructed and enclosed so that there is adequate protection against accidental contact with:
- (a) Live parts;
 - (b) Basic insulation; and
 - (c) Unearthed metal parts separated from live parts by only basic insulation.
- 2.1.4 The requirements of clause 2.1.2 apply for all positions of the user controls of an electrical appliance when connected to a supply of electricity and operated in normal conditions:
- (a) Whether or not lids and doors are open; and
 - (b) Whether or not detachable parts have been removed, including those parts that the manufacturer advises may be removed by the user for maintenance purposes.

- 2.1.5 Circuits connected to the secondary side of a safety isolating transformer shall not be earthed.
- 2.1.6 Where fittings and electrical appliances employ protective impedances for protection against electric shock:
- (a) The protective impedance shall comprise at least two impedances connected in series; and
 - (b) Each impedance shall be rated to withstand the maximum voltage at which electricity will be supplied; and
 - (c) Parts separated by protective impedances shall be insulated from each other by double or reinforced insulation.

2.2 ABNORMAL OPERATION

- 2.2.1 Electrical appliances shall be designed so that -
- (a) The risk of fire; and
 - (b) The risk of mechanical damage impairing safety; and
 - (c) The risk of electric shock -
- as a result of abnormal or careless operation is minimised as far as is reasonably practicable.
- 2.2.2 Electrical appliances shall be designed so that, during abnormal operation, they do not trigger the operation of protective fittings used to protect the electrical installation to which the appliance is connected.

2.3 PREVENTION OF ADVERSE EFFECTS ON THE SUPPLY SYSTEM

Fittings and electrical appliances shall be constructed so that they do not cause harmful effects to fittings and other electrical appliances and so that they do not impair the supply of electricity to the electrical installation during normal service (*including switching operations*). Causes that may produce harmful effects or impairment to the supply of electricity are:

- inrush current;

- asymmetrical load;
- harmonics; and
- flicker.

2.4 SHARP EDGES

Electrical appliances shall be constructed so that there are no sharp edges which could cause injury to persons transporting the appliances, to persons installing the appliances, or to persons operating the appliances. This requirement does not apply to edges of an appliance that are designed for cutting as an operational part of the appliance.

2.5 IDENTIFICATION OF CONDUCTORS

2.5.1 The conductors of single phase flexible cords shall be identified throughout their length by the colour of the insulation of the conductors as follows:

- Active conductorbrown
- Neutral conductor light blue
- Earth-continuity conductor..... the colours green and yellow in combination

2.5.2 Where the power supply cord of an electrical appliance is able to be replaced, other than by the manufacturer, then the appliance terminals shall be marked in accordance with an official electrical safety standard.

2.6 MARKING

2.6.1 Fittings and electrical appliances shall include the following marking:

- (a) The name or registered trade name or marking of the manufacturer or supplier;

- (b) Subject to clause 2.6.2, the rated voltage of the fitting or appliance;
- (c) The rated current, or rated power input, of the fitting or appliance;
- (d) Where the use of a fitting or appliance is limited by its own nature to a particular system of supply of electricity, it shall be marked with details of that system (*e.g. a.c., d.c., number of phases, frequency*);
- (e) Where applicable, the IP (*Ingress Protection*) Code designation for the required degree of protection against harmful ingress of moisture (*including any pressure, head, or time*), in accordance with AS 1939;
- (f) For class II appliances, the symbol for class II construction.

The marking shall be legible and indelible.

2.6.2 For the purpose of paragraph (b) of clause 2.6.1:

- (a) Low voltage single phase electrical appliances rated 200-250 V shall have a marking of 230 V or a range including 230 V; and
- (b) Low voltage fittings, a voltage of 230 V or greater shall be included.

2.7 ELECTRICAL APPLIANCES AND PROTECTIVE FITTINGS

2.7.1 Switches intended as the principal means of isolating an electrical appliance from a supply of electricity shall operate in the active conductor or conductors, and shall have the "**OFF**" position clearly marked when the switch is in the "off" position.

2.7.2 Any protective fitting (*fuse, thermal cutout or the like*) incorporated in a class I electrical appliance, which provides protection during the occurrence of earth faults within the appliance, shall operate in the active conductor or conductors.

2.8 REQUIREMENTS FOR PARTICULAR ELECTRICAL APPLIANCES

2.8.1 Electrical appliances for heating liquids shall be designed so that liquid entering into, or issuing from, the appliance is at earth potential.

2.8.2 Portable electrical appliances operating on the electrode boiler principle shall be used only where RCD protection is incorporated into the appliance, or into the plug or supply cord of the appliance.

2.8.3 Clause 2.8.2 does not apply to humidifiers that comply with AS/NZS 3350.2.98.

2.8.4 The rated voltage of any electric toy shall not exceed 24 volts a.c. or 32 volts d.c. The rating of any electric toy shall not exceed 200 VA. The input current of any electric toy shall not exceed 10 amps.

2.8.5 Electric toys shall be operated from a battery or from the secondary side of an isolating transformer. The isolating transformer shall comply with an official electrical safety standard relating to transformers for use with electrically operated toys.

SECTION 3

COMPLIANCE WITH OFFICIAL ELECTRICAL SAFETY STANDARDS

3.1 APPLICABLE OFFICIAL STANDARDS

- 3.1.1 The requirements of this Code are deemed to be complied with by fittings and electrical appliances that comply with:
- (a) The relevant electrical safety requirements of AS/NZS 4417; or
 - (b) The relevant parts of the official electrical safety standards (*including amendments*) set out in the First Schedule to this Code, that are relevant and applicable to those fittings and electrical appliances, except to the extent that any part of those safety standards is inconsistent with sections 1 and 2 of this Code, in which case the relevant specific requirements contained in sections 1 and 2 of this Code shall be complied with.
- 3.1.2 Where any fitting or electrical appliance is tested for compliance with a relevant and applicable official electrical safety standard, the organisations from which the results of those tests will be prima facie acceptable are:
- (a) Those organisations located in New Zealand which are registered for the relevant tests and inspections pursuant to section 13(2) of the Testing Laboratory Registration Act 1972; and
 - (b) Those organisations located outside New Zealand which are accredited pursuant to a national laboratory accreditation scheme, which at least meets the standard of the New Zealand national laboratory accreditation scheme.

- 3.1.3 A list of organisations that are known, at the time of making this Code, to meet the requirements of clause 3.1.2 is contained in the Second Schedule to this Code.
- 3.1.4 Where there is no official electrical safety standard that is relevant and applies to any particular fitting or electrical appliance, AS/NZS 3100 or AS/NZS 3350.1 may be used for compliance with clause 3.1.1.

FIRST SCHEDULE

STANDARDS SET AND ENDORSED UNDER THIS CODE

PART 1: GENERAL SPECIFICATION STANDARDS

AS 1647.2–1992 Children's Toys safety requirements Part 2: Constructional requirements.

Modification: Only the following clauses of this standard shall apply:

Clause 8: Electrical Requirements; and

Clause 9.2: Hazardous sharp Areas; and
(including Amendments A1 (03-1995)).

AS 1795.1–1983 Sheets and boards for electrical purposes Part 1–Classification and general requirements.

AS 1795.2–1983 Sheets and boards for electrical purposes Part 2–Dimensions of Switchboard panels.

AS 1939–1990 Degrees of protection provided by enclosures for electrical equipment (IP Code).

Note: AS 1939 is technically equivalent to IEC 60529 (1989).

AS 2286:1989 Space heating appliances–Secondary guards.

AS 2676.1:1992 Guide to the installation, maintenance, testing and replacement of batteries in buildings Part 1: Vented cells.

AS 2676.2:1992 Guide to the installation, maintenance, testing and replacement of batteries in buildings Part 2: Sealed cells.

AS 2768–1985 Electrical insulating materials–Evaluation and classification based on Thermal Endurance.

AS 2790–1989 Electricity generating sets–Transportable (up to 25 kW) (including Amendments A1 (12-1989)).

AS 3533.1–1997 Amusement Rides and Devices Part 1: Design and construction.

AS 3533.2–1997 Amusement Rides and Devices Part 2: Operation and maintenance.

AS 3533 Supp 1–1997 Logbook–Amusement Rides and Devices (Supplement to AS 3533.2–1997).

AS/NZS 2293.1:1995 Emergency evacuation lighting in buildings Part 1: Design and installation.

AS/NZS 2293.2:1995 Emergency evacuation lighting in buildings Part 2: Inspection and maintenance.

AS/NZS 2293.3:1995 Emergency evacuation lighting in buildings Part 3: Emergency luminaires and exit signs.

AS/NZS 3100:1997 Approval and test specification–General requirements for electrical equipment.

AS/NZS 3760:1996 In-service safety inspection and testing of electrical equipment.

AS/NZS 4417.1:1996 Marking of electrical products to indicate compliance with regulations Part 1: General rules for use of the mark (including Amendments A1 (11-1997), A2 (02-1998) and A3 (05-06-1998)).

Notes:

- 1 AS/NZS 4417.1 provides general requirements for the use of a specific trade mark (Regulatory Compliance Mark) on electrical products to indicate compliance with regulations; and
- 2 AS/NZS 4417.1 covers the entitlement to use the mark and general requirements for its use.

AS/NZS 4417.2:1996 Marking of electrical products to indicate compliance with regulations Part 2: Specific requirements for electrical safety regulatory applications (including Amendments A1 (11-1997) and A2 (12-1997)).

Notes:

- 1 AS/NZS 4417.2 provides general requirements for the use of the regulatory compliance mark to indicate that the product complies with the electrical safety regulations in Australia and New Zealand; and
- 2 AS/NZS 4417.2 includes appendices giving lists of electrical regulators, regulatory definitions and approvals procedures.

AS/NZS 4417.3:1996 Marking of electrical products to indicate compliance with regulations Part 3: Specific requirements for electromagnetic compatibility regulatory requirements.

Note: AS/NZS 4417.3 provides general requirements for the use of the regulatory compliance mark to indicate that the product complies with the electromagnetic compatibility regulations in Australia and New Zealand.

BS 6351.1:1983 (1993) Electric surface heating: Part 1: Specification for electric surface heating systems.

Note: BS 6351.1 reconfirmed in 1993.

BS 6351.2:1983 (1993) Electric surface heating: Part 2: Guide to the design of electric surface heating systems.

Note: BS 6351.1 reconfirmed in 1993.

BS 6351.3:1983 (1993) Electric surface heating: Part 3: Code of Practice for the installation, testing and maintenance of electric surface heating systems.

Note: BS 6351.3 reconfirmed in 1993.

IEC 61010-1 (1990-09) Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements (including Amendments A1 (09-1992) and A2)).

IEC 61010-2-020 (1992-09) Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2-020: Particular requirements for laboratory centrifuges.

IEC 61010-2-031 (1993-02) Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2-031: Particular requirements for hand-held probe assemblies for electrical measurement and test.

IEC 61010-2-032 (1994-12) Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2-032: Particular requirements for hand-held current clamps for electrical measurement and test.

IEC 61010-2-51 (1995-08) Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2-051: Particular requirements for laboratory equipment for mixing and stirring.

NZS 4515:1995 Fire sprinkler systems for residential occupancies (including private dwellings).

NZS 4541:1996 Automatic fire sprinkler systems.

NZS 5807:1980 Code of Practice for Industrial identification by colour, Wording or other coding incorporating;

Part 1: Identification of signs, safety colours and fire extinguishers,

Part 2: Identification of contents of piping,

Part 3: Identification of industrial gas cylinders, (including Amendments A1 (05-1983) and A2 (05-1988)).

NZS 6104:1981 (1991) Specification for Emergency electricity supply in buildings.

Note: NZS 6104 reconfirmed in 1991.

PART 2: ELECTRICAL APPLIANCE INCLUDING LUMINAIRE STANDARDS

AS 3102:1983 Approval and test specification for electric duct heating (including Amendments A1 (03-1986), A2 (04-1997) and A3 (09-1997)).

Note: AS 3102 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3137:1992 Approval and test specification–Luminaires (including Amendments A1 (10-1992) and A2 (01-1995)).

Notes:

- 1 AS 3137 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS 3137 is intended to be superseded by and run concurrently with AS/NZS 60598.2.1:1998 until (01-01-2005).

AS 3181–1995 Approval and test specification–Electrically operated projectors for household and similar use (including Amendments A1 (04-1997)).

Notes:

- 1 AS 3181 is intended to be read in conjunction with AS /NZS 3100:1997; and
- 2 AS 3181 is intended to be superseded by and run concurrently with AS/NZS 3350.2.56:1998 until (05-05-2000).

AS/NZS 3103:1993 Approval and test specification–Electric room heaters (including Amendments A1 (01-1995), A2 (03-1995), A3 (08-1995), A4 (03-1996), A5 (05-03-1996) and A6 (06-04-1997)).

Notes:

- 1 AS/NZS 3103 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 Section 4 of AS/NZS 3103 is replaced by AS/NZS 3350.2.61:1995; and
- 3 AS/NZS 3103, Section 3 is intended to be superseded by and run concurrently with AS/NZS 3350.2.30:1997 until (05-03-1999).

AS/NZS 3114:1993 Approval and test specification–Electric soldering irons (including Amendments A1 (04-1997)).

Notes:

- 1 AS/NZS 3114 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3114 is intended to be superseded by and run concurrently with AS/NZS 3350.2.45:1997 until (05-03-1999).

AS/NZS 3115:1996 Approval and test specification for motor operated appliances (including Amendments A1 (04-1997)).

Note: AS/NZS 3115 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3118:1993 Approval and test specification–Electric inspection lamps (including Amendments A1 (08-1995)).

Notes:

- 1 AS/NZS 3118 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3118 is intended to be superseded by and run concurrently with AS/NZS 60598.2.8:1998 until (01-01-2005).

AS/NZS 3128:1998 Approval and test specification–Portable lamp standards and brackets.

Notes:

- 1 AS/NZS 3128 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3128 is intended to be superseded by and run concurrently with AS/NZS 60598.2.4:1998 until (01-01-2005).

AS/NZS 3129.1:1993 Approval and test specification–Electric fence energisers Part 1: Safety requirements for mains-operated electric fence energizers (including Amendments A1 (04-1994) and A2 (01-1995)).

Note: AS/NZS 3129.1 is intended to be superseded by and run concurrently with AS/NZS 3350.2.76:1998 until (05-05-2000).

AS/NZS 3129.2:1993 Approval and test specification–Electric fence energisers Part 2: Safety requirements for battery-operated electric fence energisers suitable for connection to the supply mains (including Amendments A1 (11-1996)).

Notes:

- 1 AS/NZS 3129.2 is intended to be read in conjunction with AS/NZS 3129.1:1993; and
- 2 AS/NZS 3129.2 is intended to be superseded by and run concurrently with AS/NZS 3350.2.76:1998 until (05-05-2000).

AS/NZS 3129.3:1993 Approval and test specification–Electric fence energisers Part 3: Safety requirements for battery operated electric fence energisers not for connection to the supply mains (including Amendments A1 (01-1995)).

Notes:

- 1 AS/NZS 3129.3 is intended to be read in conjunction with AS/NZS 3129.1:1993; and
- 2 AS/NZS 3129.3 is intended to be superseded by and run concurrently with AS/NZS 3350.2.76:1998 until (05-05-2000).

AS/NZS 3130:1995 Approval and test specification–Beauty therapy equipment.

Note: AS/NZS 3130 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3136–1996/NZS 6232:1996 Approval and test specification – Electrical equipment for spa-baths and spa and swimming pools (including Amendments A1 (11-1996), A2 (03-1997), A3 (04-1997), A4 (09-1997) and A5 (11-1997)).

Notes:

- 1 AS 3136/NZS 6232 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS 3136/NZS 6232 is produced as a joint Australian/New Zealand standard.

AS/NZS 3150:1993 Approval and test specification–Insect electrocuters (including Amendments A1 (11-1993), A2 (08-1995) and A3 (04-1997)).

Note: AS/NZS 3150 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3152–1992 Approval and test specification–Decorative lighting outfits (including Amendments A1 (06-1993) and A2 (03-1995)).

Notes:

- 1 AS/NZS 3152 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3152 is intended to be superseded by and run concurrently with AS/NZS 60598.2.20:1998 until (01-01-2005).

AS/NZS 3156:1995 Approval and test specification–Electric lawnmowers (including Amendments A1 (04-1997)).

Note: AS/NZS 3156 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3160:1996 Approval and test specification–Hand-held portable electric tools (including Amendments A1 (11-1996), A2 (01-1997) and A3 (04-1997)).

Note: AS/NZS 3160 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3164:1994 Approval and test specification–Safety of electrically heated blankets, pads and similar flexible heating appliances for household use (including Amendments A1 (03-1995), A2 (08-1995), A3 (03-1996), A4 (08-1996) and A5 (03-1997)).

Notes:

- 1 AS/NZS 3164 is based on and has been reproduced from IEC 60967:1988 (including Amendment A1 (07-1994)); and
- 2 With the addition of appendix ZB for Australia which is not equivalent to IEC 60967 (1988).

AS/NZS 3172:1996 Approval and test specification–Electric cooking appliances for household use (including Amendments A1 (03-1997) and A2 (09-1997)).

Notes:

- 1 AS/NZS 3172 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3172 is intended to be superseded by (in part) and run concurrently with AS/NZS 3350.2.6:1998, AS/NZS 3350.2.9:1996, AS/NZS 3350.2.12:1997 and AS/NZS 3350.2.13:1997 until (05-10-2000).

AS/NZS 3179:1993 Approval and test specification–Refrigerated room air-conditioners (including Amendments A1 (08-1995) and A2 (04-1997)).

Notes:

- 1 AS/NZS 3179 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3179 is intended to be superseded by and run concurrently with AS/NZS 3350.2.40:1998 until (05-03-1999).

AS/NZS 3182:1995 Approval and test specification–Refrigerated food–Commercial cabinets (including Amendments A1 (04-1997)).

Note: AS/NZS 3182 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3192–1996 Approval and test specification–Electrically operated aquarium equipment.

Notes:

- 1 AS/NZS 3192 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3192 is intended to be superseded by and run concurrently with AS/NZS 3350.2.55:1998 (in part) until (05-03-1999).

AS/NZS 3195:1995 Approval and test specification–Portable machines for electric arc welding and allied processes (including Amendments A1 (08-1995), A2 (02-1996), A3 (04-1997) and A4 (09-1997)).

Note: AS/NZS 3195 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3250:1995 Approval and test specification–Mains-operated electronic and related equipment for household and similar use (including Amendments A1 (02-1996) and A2 (05-1996)).

Note: AS/NZS 3250 is based on IEC 60065 (1985) (including Amendments A1, A2 and A3).

AS/NZS 3260:1993 Approval and test specification–Safety of information technology equipment including electrical business equipment (incorporating Amendments (1, 2 and 3) and including Amendments A4 (06-1997)).

Note: AS/NZS 3260 is based on IEC 60950 (1991) (incorporating Amendments A1, A2 and A3 together with A4 (06-1997)).

AS 3300–1996/NZS 6300:1996 Approval and test specification – General requirements for household and similar electrical appliances (including Amendments A1 (03-1997), A2 (01-1998) and A3 (03-1998)).

Notes:

- 1 AS 3300/NZS 6300 is produced as a joint Australian and New Zealand standard; and
- 2 When combined with a particular standard in the AS 3300/NZS 6300:1996 series becomes a complete standard for the particular appliance; and
- 3 AS 3300/NZS 6300 is based on IEC 60335-1 (1976).

AS 3301– 1992/NZS 6325:1992 Approval and test specification – Particular requirements for microwave ovens.

Notes:

- 1 AS 3301/NZS 6325 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS 3301/NZS 6325 is intended to be superseded by and run concurrently with AS/NZS 3350.2.25:1997 until (05-06-1999).

AS/NZS 3302:1992 Approval and test specification–Particular requirements for electric fans (including Amendments A1 (09-1993)).

Notes:

- 1 AS/NZS 3302 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS/NZS 3302 is intended to be superseded by and run concurrently with AS/NZS 3350.2.80:1998 until (05-05-2000).

AS 3303–1995/NZS 6324:1995 Approval and test specification – Particular requirements for refrigerators and food freezers (including Amendments A1 (03-1997) and A2 (09-1997)).

Notes:

- 1 AS 3303/NZS 6324 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS 3303/NZS 6324 is intended to be superseded by and run concurrently with AS/NZS 3350.2.24:1998 until (05-07-2000).

AS 3304–1995/NZS 6323:1995 Approval and test specification – Particular requirements for skin or hair care appliances (including Amendments A1 (03-1997) and A2 (02-03-1998)).

Notes:

- 1 AS 3304/NZS 6323 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS 3304/NZS 6323 is intended to be superseded by and run concurrently with AS/NZS 3350.2.23:1997 until (05-06-1999).

AS 3305–1988 Approval and test specification–Particular requirements for motor compressors (including Amendments A1 (10-1990) and A2 (03-1992)).

Notes:

- 1 AS 3305 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS 3305 is intended to be superseded by and run concurrently with AS/NZS 3350.2.34:1997 until (05-06-1999).

AS 3310–1992/NZS 6306.2:1992 Approval and test specification–Particular requirements for Range hoods.

Notes:

- 1 AS 3310/NZS 6306.2 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS 3310/NZS 6306.2 is intended to be superseded by and run concurrently with AS/NZS 3350.2.31:1997 until (05-03-1999).

AS 3312–1989 Approval and test specification–Particular requirements for garment or fabric steamers (including Amendments A1 (01-1991) and A2 (03-1992)).

Note: AS 3312 is intended to be read in conjunction with AS 3300/NZS 6300:1996.

AS 3313–1998/NZS 6315:1998 Approval and test specification – Particular requirements for appliances for heating liquids.

Notes:

- 1 AS 3313/NZS 6315 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS 3313/NZS 6315 is intended to be superseded by and run concurrently with AS/NZS 3350.2.15:1997 until (05-03-1999); and
- 3 AS 3313/NZS 6315 is technically equivalent to and reproduced from IEC 60335-2-15 (1986).

AS 3316–1992/NZS 6353:1992 Approval and test specification – Particular requirements for electric sauna heating appliances (including Amendments A1 (09-1993), A2 (01-1995), A3 (03-1995), A4 (03-1996), A5 (11-1996) and A6 (09-1997)).

Notes:

- 1 AS 3316/NZS 6353 is intended to be read in conjunction with AS 3300/NZS 6300:1996; and
- 2 AS 3316/NZS 6353 is intended to be superseded by and run concurrently with AS/NZS 3350.2.53:1998 until (05-07-2000).

AS/NZS 3350.1:1994 Approval and test specification–Safety of household and similar appliances Part 1: General requirements (including Amendments A1 (03-1995), A2 (08-1995), A3 (03-1997) and A4 (01-1998)).

Notes:

- 1 AS/NZS 3350.1 specifies general safety requirements for household and similar appliances; and
- 2 AS/NZS 3350.1 is a base standard which when combined with a Part 2 particular requirements in the 3350 series, becomes a complete standard for the particular appliance; and
- 3 AS/NZS 3350.1 is technically equivalent to and reproduced from IEC 60335-1 (1991) (third edition).

AS/NZS 3350.2 Safety of household and similar electrical appliances Part 2: Particular requirements:

AS/NZS 3350.2.2:1995 Approval and test specification–Safety of household and similar electrical appliances Part 2.2: Particular requirements–Vacuum cleaners and water suction cleaning appliances.

Notes:

- 1 AS/NZS 3350.2.2 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.2 is technically equivalent to and reproduced from IEC 60335-2-2 (1993).

AS/NZS 3350.2.3:1995 Approval and test specification–Safety of household and similar electrical appliances Part 2.3: Particular requirements–Electric irons (including Amendments A1 (09-1997)).

Notes:

- 1 AS/NZS 3350.2.3 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.3 is technically equivalent to and reproduced from IEC 60335-2-3 (1993).

AS/NZS 3350.2.4:1998 Approval and test specification–Safety of household and similar electrical appliances Part 2.4: Particular requirements–Spin extractors.

Notes:

- 1 AS/NZS 3350.2.4 is intended to be read in conjunction with AS/NZS 3350.1:1994 and
- 2 AS/NZS 3350.2.4 is technically equivalent to and reproduced from IEC 60335-2-4 (1993).

AS/NZS 3350.2.5:1995 Approval and test specification–Safety of household and similar electrical appliances Part 2.5: Particular requirements–Dishwashers (including Amendments A1 (09-1997)).

Notes:

- 1 AS/NZS 3350.2.5 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.5 is technically equivalent to and reproduced from IEC 60335-2-5 (1992).

AS/NZS 3350.2.6:1998 Approval and test specification–Safety of household and similar electrical appliances Part 2.6: Particular requirements–Stationary cooking ranges, hobs, ovens and similar appliances.

Notes:

- 1 AS/NZS 3350.2.6 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.6 is technically equivalent to and reproduced from IEC 60335-2-6 (1997).

AS/NZS 3350.2.7:1995 Approval and test specification–Safety of household and similar electrical appliances–Part 2.7: Particular requirements–Washing machines (including Amendments A1 (09-1997)).

Notes:

- 1 AS/NZS 3350.2.7 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.7 is technically equivalent to and reproduced from IEC 60335-2-7 (1993).

AS/NZS 3350.2.8:1995 Approval and test specification– Safety of household and similar electrical appliances Part 2.8: Particular requirements–Shavers, hair clippers and similar appliances.

Notes:

- 1 AS/NZS 3350.2.8 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.8 is technically equivalent to and reproduced from IEC 60335-2-8 (1993).

AS/NZS 3350.2.9:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.9: Particular requirements–Toasters, grills, roasters and similar electrical appliances.

Notes:

- 1 AS/NZS 3350.2.9 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.9 is intended to be supersede (in part) and run concurrently with AS/NZS 3172:1996 until (05-10-2000); and
- 3 AS/NZS 3350.2.9 is technically equivalent to and reproduced from IEC 60335-2-9 (1993);

AS/NZS 3350.2.10:1996 Approval and test specification –Safety of household and similar electrical appliances Part 2.10: Particular requirements–Floor treatment machines and wet scrubbing machines.

Notes:

- 1 AS/NZS 3350.2.10 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.10 is technically equivalent to and reproduced from IEC 60335-2-10 (1993).

AS/NZS 3350.2.11:1995 Approval and test specification –Safety of household and similar electrical appliances Part 2.11: Particular requirements–Tumbler-dryers (including Amendments A1 (03-1997)).

Notes:

- 1 AS/NZS 3350.2.11 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.11 is technically equivalent to and reproduced from IEC 60335-2-11 (1993).

AS/NZS 3350.2.12:1997 Approval and test specifications – Particular requirements–Warming plates and similar appliances.

Notes:

- 1 AS/NZS 3350.2.12 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.12 is intended to supersede and run concurrently with AS/NZS 3172:1996 until (05-03-1999); and
- 3 AS/NZS 3350.2.12 is technically equivalent to and reproduced from IEC 60335-2-12 (1992).

AS/NZS 3350.2.13:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2: Particular requirements for deep fryers, frying pans and similar appliances.

Notes:

- 1 AS/NZS 3350.2.13 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.13 is technically equivalent to and reproduced from IEC 60335-2-13 (1993).

AS/NZS 3350.2.14:1995 Approval and test specification–Safety of household and similar electrical appliances Part 2.14: Particular requirements–Kitchen machines.

Notes:

- 1 AS/NZS 3350.2.14 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.14 is technically equivalent to and reproduced from IEC 60335-2-14 (1994).

AS/NZS 3350.2.15:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.15: Particular requirements–Appliances for heating liquids (including Amendments A1 (09-1997)).

Notes:

- 1 AS/NZS 3350.2.15 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.15 is intended to supersede and run concurrently with AS 3313-1998/NZS 6315:1998 until (05-03-1999); and
- 3 AS/NZS 3350.2.15 is technically equivalent to and reproduced from IEC 60335-2-15 (1995).

AS/NZS 3350.2.16:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.16: Particular requirements–Food waste disposers.

Notes:

- 1 AS/NZS 3350.2.16 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.16 is technically equivalent to and reproduced from IEC 60335-2-16 (1994).

AS/NZS 3350.2.23:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.23: Particular requirements–Appliances for skin or hair care.

Notes:

- 1 AS/NZS 3350.2.23 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.23 is intended to supersede and run concurrently with AS 3304-1995/NZS 6323:1995 until (05-06-1999); and
- 3 AS/NZS 3350.2.23 is technically equivalent to and reproduced from IEC 60335-2-23 (1996).

AS/NZS 3350.2.24:1998 Safety of household and similar electrical appliances Part 2.24: Particular requirements– Refrigerating appliances and ice makers.

Notes:

- 1 AS/NZS 3350.2.24 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.24 is intended to supercede and run concurrently with AS 3303-1995/NZS 6324:1995 until (05-07-2000); and
- 3 AS/NZS 3350.2.24 is technically equivalent to and reproduced from IEC 60335-2-24 (1996).

AS/NZS 3350.2.25:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.25: Particular requirements–Micro wave ovens.

Notes:

- 1 AS/NZS 3350.2.25 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.25 is intended to supersede and run concurrently with AS 3301-1992/NZS 6325:1992 until (05-06-1999); and
- 3 AS/NZS 3350.2.25 is technically equivalent to and reproduced from IEC 60335-2-25 (1996).

AS/NZS 3350.2.26:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2: Particular requirements–Clocks.

Notes:

- 1 AS/NZS 3350.2.26 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.26 is technically equivalent to and reproduced from IEC 60335-2-26 (1994).

AS/NZS 3350.2.27:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.27: Particular requirements–Appliances for skin exposure to ultraviolet and infrared radiation.

Notes:

- 1 AS/NZS 3350.2.27 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.27 is technically equivalent to and reproduced from IEC 60335-2-27 (1995).

AS/NZS 3350.2.28:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.28: Particular requirements–Sewing machines.

Notes:

- 1 AS/NZS 3350.2.28 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.28 is technically equivalent to and reproduced from IEC 60335-2-28 (1994).

AS/NZS 3350.2.29:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.29: Particular requirements–Battery chargers (including Amendments A1 (01-1997)).

Notes:

- 1 AS/NZS 3350.2.29 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.29 is technically equivalent to and reproduced from IEC 60335-2-29 (1994).

AS/NZS 3350.2.30:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.30: Particular requirements–Room heaters.

Notes:

- 1 AS/NZS 3350.2.30 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.30 is intended to supersede and run concurrently with AS/NZS 3103:1993 (Part 3) until (05-03-1999); and
- 3 AS/NZS 3350.2.30 is technically equivalent to and reproduced from IEC 60335-2-30 (1996).

AS/NZS 3350.2.31:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.31: Particular requirements–Range Hoods.

Notes:

- 1 AS/NZS 3350.2.31 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.31 is intended to supersede and run concurrently with AS 3310-1992/NZS 6306.2:1992 until (05-03-1999); and
- 3 AS/NZS 3350.2.31 is technically equivalent to and reproduced from IEC 60335-2-31 (1995).

AS/NZS 3350.2.32:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.32: Particular requirements–Massage appliances.

Notes:

- 1 AS/NZS 3350.2.32 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.32 is technically equivalent to and reproduced from IEC 60335-2-32 (1993).

AS/NZS 3350.2.34:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.34: Particular requirements–Motor compressors.

Notes:

- 1 AS/NZS 3350.2.34 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.34 is intended to supersede and run concurrently with AS 3305-1988 until (05-06-1999); and
- 3 AS/NZS 3350.2.34 is technically equivalent to and reproduced from IEC 60335-2-34 (1996).

AS/NZS 3350.2.40:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.40: Particular requirements–Electrical heat pumps, air conditioners and dehumidifiers.

Notes:

- 1 AS/NZS 3350.2.40 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.40 is intended to supersede and run concurrently with AS/NZS 3179:1993 until (05-03-1999); and
- 3 AS/NZS 3350.2.40 is technically equivalent to and reproduced from IEC 60335-2-40 (1995).

AS/NZS 3350.2.41:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.41: Particular requirements–Pumps for liquids having a temperature not exceeding 35 °C.

Notes:

- 1 AS/NZS 3350.2.41 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.41 is technically equivalent to and reproduced from IEC 60335-2-41 (1996).

AS/NZS 3350.2.43:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.43: Particular requirements–Clothes dryers and Towel rails (including Amendments A1 (01-1997)).

Notes:

- 1 AS/NZS 3350.2.43 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.43 is technically equivalent to and reproduced from IEC 60335-2-43 (1995).

AS/NZS 3350.2.45:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.45: Particular requirements–Portable heating tools and similar appliances.

Notes:

- 1 AS/NZS 3350.2.45 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.45 is intended to supercede and run concurrently with AS/NZS 3114:1993 until (05-03-1999); and
- 3 AS/NZS 3350.2.45 is technically equivalent to and reproduced from IEC 60335-2-45 (1996).

AS/NZS 3350.2.51:1998 Safety of household and similar electrical appliances Part 2.51: Particular requirements for stationary circulation pumps for heating and service water installations.

Notes:

- 1 AS/NZS 3350.2.51 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.51 is intended to be supersede and run concurrently with AS/NZS 3100:1997 (in part) until (05-02-2000); and
- 3 AS/NZS 3350.2.51 is technically equivalent to and reproduced from IEC 60335-2-51 (1997).

AS/NZS 3350.2.52:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.52: Oral hygiene appliances.

Notes:

- 1 AS/NZS 3350.2.52 is intended to be read in conjunction with AS/NZS 3350.1:1994; and.
- 2 AS/NZS 3350.2.52 is technically equivalent to and reproduced from IEC 60335-2-52 (1994).

AS/NZS 3350.2.53:1998 Safety of household and similar electrical appliances Part 2.53: Particular requirements–Sauna heating appliances.

Notes:

- 1 AS/NZS 3350.2.53 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.53 is intended to supercede and run concurrently with AS 3316-1992/NZS 6353:1992 until (05-07-2000); and
- 3 AS/NZS 3350.2.53 is technically equivalent to and reproduced from IEC 60335-2-53 (1997).

AS/NZS 3350.2.54:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.54: Surface cleaning appliances employing liquids use.

Notes:

- 1 AS/NZS 3350.2.54 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.54 is technically equivalent to and reproduced from IEC 60335-2-54 (1995).

AS/NZS 3350.2.55:1998 Safety of household and similar electrical appliances Part 2.55: Particular requirements– Electrical appliances for use with aquariums and garden ponds.

Notes:

- 1 AS/NZS 3350.2.55 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.55 is intended to supersede and run concurrently with AS/NZS 3192:1996 until (05-05-2000); and
- 3 AS/NZS 3350.2.55 is technically equivalent to and reproduced from IEC 60335-2-55 (1997).

AS/NZS 3350.2.56:1998 Safety of household and similar electrical appliances Part 2.56: Particular requirements– Projectors and similar appliances.

Notes:

- 1 AS/NZS 3350.2.56 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.56 is intended to supersede and run concurrently with AS 3181-1995 until (05-05-2000); and
- 3 AS/NZS 3350.2.56 is technically equivalent to and reproduced from IEC 60335-2-56 (1997).

AS/NZS 3350.2.61:1995 Approval and test specification–Safety of household and similar electrical appliances Part 2.61: Particular requirements–Thermal storage room heaters.

Notes:

- 1 AS/NZS 3350.2.61 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.61 is intended to supersede and run concurrently with AS/NZS 3103:1993 (in part) until (05-03-1999); and
- 3 AS/NZS 3350.2.61 is technically equivalent to and reproduced from IEC 60335-2-61 (1992).

AS/NZS 3350.2.65:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.65: Particular requirements–Air-cleaning appliances.

Notes:

- 1 AS/NZS 3350.2.65 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.65 is technically equivalent to and reproduced from IEC 60335-2-65 (1993).

AS/NZS 3350.2.66:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.66: Particular requirements–Water-bed heaters.

Notes:

- 1 AS/NZS 3350.2.66 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.66 is intended to supersede and run concurrently with AS 3148 (fourth edition)-1991 until (05-09-1999); and
- 3 AS/NZS 3350.2.66 is technically equivalent to and reproduced from IEC 60335-2-66 (1993).

AS/NZS 3350.2.73:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.73: Particular requirements–Fixed immersion heaters.

Notes:

- 1 AS/NZS 3350.2.73 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.73 is technically equivalent to and reproduced from IEC 60335-2-73 (1994).

AS/NZS 3350.2.74:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.74: Portable immersion heaters (including Amendments A1 (01-1997)).

Notes:

- 1 AS/NZS 3350.2.74 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.74 is technically equivalent to and reproduced from IEC 60335-2-74 (1994).

AS/NZS 3350.2.75:1997 Approval and test specification–Safety of household and similar electrical appliances Part 2.75: Commercial dispensing appliances and vending machines.

Notes:

- 1 AS/NZS 3350.2.75 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.75 is technically equivalent to and reproduced from IEC 60335-2-75 (1995).

AS/NZS 3350.2.76:1998 Safety of household and similar electrical appliances Part 2.76: Particular requirements–Electric fence energizers.

Notes:

- 1 AS/NZS 3350.2.76 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.76 is intended to supersede and run concurrently with AS/NZS 3129:1993 (all parts) until (05-05-2000); and
- 3 AS/NZS 3350.2.76 is technically equivalent to and reproduced from IEC 60336-2-76 (first edition) (1997).

AS/NZS 3350.2.78:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.78: Outdoor barbecues.

Notes:

- 1 AS/NZS 3350.2.78 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.78 is technically equivalent to and reproduced from IEC 60335-2-78 (1995).

AS/NZS 3350.2.79:1996 Approval and test specification–Safety of household and similar electrical appliances Part 2.79: High pressure cleaners and steam cleaners for industrial and commercial use.

Notes:

- 1 AS/NZS 3350.2.79 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.79 is technically equivalent to and reproduced from IEC 60335-2-79 (1995).

AS/NZS 3350.2.80:1998 Safety of household and similar electrical appliances Part 2.80: Particular requirements–Electric fans.

Notes:

- 1 AS/NZS 3350.2.80 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.80 is intended to supersede and run concurrently with AS/NZS 3302:1992 until (05-05-2000); and
- 3 AS/NZS 3350.2.80 is technically equivalent to and reproduced from IEC 60335-2-80 (1997).

AS/NZS 3350.2.98:1998 Safety of household and similar electrical appliances Part 2.98: Particular requirements– Humidifiers.**Notes:**

- 1 AS/NZS 3350.2.98 is intended to be read in conjunction with AS/NZS 3350.1:1994; and
- 2 AS/NZS 3350.2.98 is technically equivalent to and reproduced from IEC 60335-2-98 (1997).

AS/NZS 60598.1:1998 Luminaires Part 1: General requirements and tests.

Note: AS/NZS 60598.1 is technically equivalent to and reproduce from IEC 60598-1 (1996).

AS/NZS 60598.2 Luminaires Part 2 Particular requirements:**AS/NZS 60598.2.1:1998** Luminaires Part 2.1: Particular requirements–Fixed general purpose luminaires.**Notes:**

- 1 AS/NZS 60598.2.1 is intended to be read in conjunction with AS/NZS 60598.1:1998; and
- 2 AS/NZS 60598.2.1 is intended to supersede and run concurrently with AS 3137-1992 until (01-01-2005); and
- 3 AS/NZS 60598.2.1 is technically equivalent to and reproduced from IEC 60598-2-1 (1979) (including Amendment A1 (1987)).

AS/NZS 60598.2.4:1998 Luminaires Part 2.4: Particular requirements–Portable general purpose luminaires.**Notes:**

- 1 AS/NZS 60598.2.4 is intended to be read in conjunction with AS/NZS 60598.1:1998; and
- 2 AS/NZS 60598.2.4 is intended to supersede and run concurrently with AS/NZS 3128:1993 until (01-01-2005); and
- 3 AS/NZS 60598.2.4 is technically equivalent to and reproduced from IEC 60598-2-4 (1997).

AS/NZS 60598.2.6:1998 Luminaires Part 2.6: Particular requirements–Luminaires with built-in transformers or convertors for filament lamps.**Notes:**

- 1 AS/NZS 60598.2.6 is intended to be read in conjunction with AS/NZS 60598.1:1998; and
- 2 AS/NZS 60598.2.6 is technically equivalent to and reproduced from IEC 60598-2-6 (1994) (including Amendment A1 (1996-11)).

AS/NZS 60598.2.8:1998 Luminaires Part 2.8: Particular requirements–Handlamps.**Notes:**

- 1 AS/NZS 60598.2.8 is intended to be read in conjunction with AS/NZS 60598.1:1998; and
- 2 AS/NZS 60598.2.8 is intended to supersede and run concurrently with AS/NZS 3118:1993 until (01-01-2005); and
- 3 AS/NZS 60598.2.8 is technically equivalent to and reproduced from IEC 60598-2-8 (1996) (including Amendment A1 (1996-11)).

AS/NZS 60598.2.10:1998 Luminaires Part 2.10: Particular requirements–Portable child-appealing luminaires.**Notes:**

- 1 AS/NZS 60598.2.10 is intended to be read in conjunction with AS/NZS 60598.1:1998; and
- 2 AS/NZS 60598.2.10 is technically equivalent to and reproduced from IEC 60598-2-10 (1987) (including Amendments A1 (1990-05) and A2 (1995-04)).

AS/NZS 60598.2.18:1998 Luminaires–Part 2.18: Particular requirements–Swimming pools and similar applications.**Notes:**

- 1 AS/NZS 60598.2.18 is intended to be read in conjunction with AS/NZS 60598.1:1998; and
- 2 AS/NZS 60598.2.18 is technically equivalent to and reproduced from IEC 60598-2-18 (1993).

AS/NZS 60598.2.20:1998 Luminaires–Part 2.20: Particular requirements–Lighting chains.**Notes:**

- 1 AS/NZS 60598.2.20 is intended to be read in conjunction with AS/NZS 60598.1:1998; and
- 2 AS/NZS 60598.2.20 is intended to supersede and run concurrently with AS/NZS 3152:1992 until (01-01-2005); and
- 3 AS/NZS 60598.2.20 is technically equivalent to and reproduced from IEC 60598-2-20 (1996).

IEC 60598-2-2 (1997-09) Luminaires–Part 2: Particular requirements Section 2: Recessed luminaires.**IEC 60598-2-3 (1997-09)** Luminaires–Part 2: Particular requirements Section 3: Luminaires for road and street lighting.**IEC 60598-2-5 (1979-01)** Luminaires–Part 2: Particular requirements Section 5: Floodlights (including Amendments A1 (1987-01) and A2 (1993-04)).

IEC 60598-2-7 (1982-01) Luminaires–Part 2: Particular requirements Section 7: Portable luminaires for garden use (including Amendments A1 (1987-01) and A2 (1994-08)).

IEC 60598-2-9 (1987-11) Luminaires–Part 2: Particular requirements Section 9: Photo and film luminaires (non-professional) (including Amendments A1 (1993-06)).

IEC 60598-2-17 (1984-01) Luminaires–Part 2: Particular requirements Section 17: Luminaires for stage lighting, Television and film studios (outdoor and indoor) (including Amendments A1 (1987) and A2 (1990-05)).

IEC 60598-2-19 (1981-01) Luminaires–Part 2: Particular requirements Section 19: Air-handling luminaires (safety requirements (including Amendments A1 (1987-01) and A2 (1997-12))).

IEC 60598-2-22 (1997-08) Luminaires–Part 2: Particular requirements Section 22: Luminaires for emergency lighting.

IEC 60598-2-23 (1996-04) Luminaires–Part 2: Particular requirements Section 23: Extra Low Voltage lighting systems for filament lamps.

IEC 60598-2-24 (1997-08) Luminaires–Part 2: Particular requirements Section 24: Luminaires with limited surface temperatures.

IEC 60598-2-25 (1994-08) Luminaires–Part 2: Particular requirements Section 25: Luminaires for use in clinical areas of hospitals and health care buildings.

NZS 4606.1:1989 Storage water heaters Part 1: General requirements (including Amendments A1 (1991), A2 (1991) and A3 (1993)).

NZS 4606.2:1989 Storage water heaters Part 2: Specific requirements for water heaters with single shells (including Amendments A1 (1989)).

NZS 4606.3:1989 Storage water heaters Part 3: Specific requirements for water heaters with composite shells (including Amendments A1 (1992)).

NZS 5820:1982 Specification for the safety of toys (including Amendments A1 (1990)).

NZS 6335:1990 Safety of household and similar electrical appliances Particular requirements for Instantaneous water heaters (Including Amendments A1 (1991) and A2 (1994)).

PART 3: FITTING STANDARDS

AS 1308:1987 Electric water heaters–Thermostats and Thermal Cut-outs (including Amendments A1 (04-1988)).

AS 2005.1:1981 Low voltage fuses - fuses with enclosed fuse links (up to and including 100V a.c. and 1500V d.c.) Part 1: General requirements.

AS 2005.10:1988 Low voltage fuses–Fuses with enclosed fuse links (up to and including 100V a.c. and 1500V d.c.) Part 10: General requirements (including Amendments A1 (04-1991)).

Note: AS 2005.10 is based on IEC 60269-1 (1986).

AS 2005.20:1990 Low voltage fuses–Fuses with enclosed fuse links Part 20: Supplementary requirements for fuses for use by authorised persons. Fuses mainly for industrial applications–Common requirements.

Note: AS 2005.20 is equivalent to IEC 60269-2 (1986).

AS 2005.21.1:1990 Low voltage fuses–Fuses with enclosed fuse-links Part 21.1: Supplementary requirements for fuses for use by authorised persons. Fuses mainly for industrial application–Standardised fuse systems–Fuse-links with blade contacts.

Note: AS 2005.21.1 is equivalent to IEC 60269-2-1 (1996).

AS 2005.21.2:1990 Low voltage fuses–Fuses with enclosed fuse-links Part 21.2: Supplementary requirements for fuses mainly for industrial application–Standardised fuse systems–Fuses with fuse-links for bolted connections.

Note: AS 2005.21.2 specifies supplementary requirements to AS 2005.10-1988 and AS 2005.20-1990.

AS 2005.29:1990 Low voltage fuses–Fuses with enclosed fuse-links–Part 29: Supplementary requirements for fuses for use by authorised persons. Fuses mainly for industrial application–Standardised fuses with compact dimensions.

Note: AS 2005.29 specifies supplementary requirements to AS 2005.10-1988 and AS 2005.20-1990.

AS 2005.30:1991 Low voltage fuses–Fuses with enclosed fuse-links Part 30: Supplementary requirements for fuses for use by unskilled persons. Fuses mainly for household and similar applications.

Note: AS 2005.30 is equivalent to IEC 60269-3 (1987).

AS 2005.40:1989 Low voltage fuses–Fuses with enclosed fuse-links Part 40: Supplementary requirements for fuse-links for the protection of semi-conductor devices.

Note: AS 2005.40 is identical with IEC 60269.4 (1986).

AS 3113:1986 Approval and test specification–Ceiling roses.

Note: AS 3113 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3117:1994 Approval and test specification–Bayonet lampholders.

Note: AS 3117 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3124:1982 Approval and test specification–Overhead line connector boxes (including Amendments A1 (04-1985)).

Note: AS 3124 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3127:1987 Approval and test specification–Cord-line switches (including Amendments A1 (12-1987) and A2 (11-1989)).

Note: AS 3127 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3133:1989 Approval and test specification–Air break switches (including Amendments A1 (10-1990)).

Note: AS 3133 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3134:1992 Approval and test specification–a.c. supplied electronic ballasts for tubular fluorescent lamps.

Notes:

1 AS 3134 is intended to be read in conjunction with AS/NZS 3100:1997; and

2 AS 3134 is based on IEC 60928 (1990).

AS 3138:1993 Approval and test specification–Starters for fluorescent lamps (including Amendments A1 (08-1994)).

Note: AS 3138 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3140:1994 Approval and test specification–Edison-type screw lampholders.

Note: AS 3140 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3168:1991 Approval and test specification–Fluorescent lamp ballasts (including Amendments A1 (09-1991)).

Notes:

- 1 AS 3168 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS 3168 is based on IEC 60920 (1990).

AS 3169:1989 Approval and test specification–Flat, quick-connect terminations.

Note: AS 3169 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3100:1997 Approval and test specification–General requirements for electrical equipment.

AS/NZS 3105:1993 Approval and test specification–Electric portable outlet devices (including Amendments A1 (01-1995)).

Note: AS/NZS 3105 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3108:1994 Approval and test specification–Particular requirements for isolating transformers and safety isolating transformers (including Amendments A1 (04-1995), A2 (08-1995), A3 (03-1996), A4 (11-1996), A5 (03-1997) and A6 (05-1997)).

Note: AS/NZS 3108 is equivalent to IEC 60742 (1983).

AS/NZS 3109.1:1996 Approval and test specification–Appliance couplers for household and similar general purposes Part 1–General requirements.

Note: AS/NZS 3109.1 is equivalent to IEC 60320-1 (1994) (including Amendments A1:1995).

AS/NZS 3112:1993 Approval and test specification–Plugs and socket-outlets (including Amendments A1 (04-1994), A2 (01-1995) and A3 (03-1995)).

Note: AS/NZS 3112 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3120:1993 Approval and test specification–Cord extension sockets (including Amendments A1 (04-1996)).

Note: AS/NZS 3120 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3122:1993 Approval and test specification–Socket-outlet adaptors (including Amendments A1 (01-1995) and A2 (03-1996)).

Note: AS/NZS 3122 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3123:1994 Approval and test specification–Plugs, socket-outlets and couplers for general industrial application (including Amendments A1 (11-1994)).

Note: AS/NZS 3123 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3131:1995 Approval and test specification–Plugs and socket-outlets for use in installation wiring systems.

Note: AS/NZS 3131 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3139.1:1995 Approval and test specification–Switches for appliances. Part 1: General requirements.

Note: AS/NZS 3139 is technically equivalent and reproduced from IEC 61058-1 (1990) (including Amendments A1 (1993) and A2 (1994)).

AS/NZS 3161:1995 Approval and test specification– Thermostats and energy regulators.

Notes:

- 1 AS/NZS 3161 is intended to be read in conjunction with AS/NZS 3100:1997; and
- 2 AS/NZS 3161 jointly revised and designated AS/NZS 3161:1995.

AS/NZS 3194:1993 Approval and test specification–Electric shaver supply units (including Amendments A1 (01-1995)).

Note: AS/NZS 3194 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3197:1993 Approval and test specification–Portable electrical control or conditioning devices (including Amendments A1 (01-1995)).

Note: AS/NZS 3197 is intended to be read in conjunction with AS/NZS 3100:1997.

AS/NZS 3199:1982 Approval and test specification–Cord extension sets (including Amendments A1 (04-1985)).

Note: AS/NZS 3199 applies to cord extension sets for use at low voltage.

AS/NZS 60998.1:1998 Connecting devices for Low voltage circuits for household and similar purposes Part 1: General requirements.

Note: AS/NZS 60998.1 is technically equivalent to and reproduced from IEC 60998.1 (1990).

AS/NZS 60998.2.1:1998 Connecting devices for Low voltage circuits for household and similar purposes Part 2.1: Particular requirements for connecting devices as separate entities with screw-type clamping units.

Note: AS/NZS 60998.2.1 is technically equivalent to and reproduced from IEC 60998.1 (1990).

AS/NZS 60998.2.2:1998 Connecting devices for Low voltage circuits for household and similar purposes Part 2.2: Particular requirements for connecting devices as separate entities with screwless-type clamping units.

Note: AS/NZS 60998.2.2 is technically equivalent to and reproduced from IEC 60998-2-2 (1991).

AS/NZS 60998.2.3 : 1998 Connecting devices for Low voltage circuits for household and similar purposes Part 3 : Particular requirements for connecting devices as separate entities with insulation piercing clamping units.

Note: AS/NZS 60998.2.3 is technically equivalent to and reproduced from IEC 60998-2-3 (1991).

AS/NZS 60998.2.4 : 1998 connecting devices for Low voltage circuits for household and similar purposes Part 2.4 : Particular requirements for twist-on connecting devices.

Note: AS/NZS 60998.2.4 is technically equivalent with and reproduced from IEC 60998-2-4 (1993).

AS/NZS 61050:1998 Transformers for tubular discharge lamps having no-load output voltage exceeding 1000V generally called Neon-transformers–General and safety requirements.

Note: AS/NZS 61050 is technically equivalent to and reproduced from IEC 61050 (1991) (including corrigendum (1992) and Amendment A1 (1994)).

IEC 60127-1 (1988-12) Miniature fuses Part 1:1988–Definitions for miniature fuses and general requirements for miniature fuse-links.

IEC 60127-2 (1989-07) Miniature fuses Part 2: Cartridge fuses (including Amendment A1 (1995-08)).

IEC 60127-3 (1988-12) Miniature fuses Part 3: Sub-miniature fuse-links (including Amendment A1 (1991-12)).

IEC 60127-4 (1996-08) Miniature fuses Part 4: Universal modular fuses (UMF).

IEC 60127-6 (1994-04) Miniature fuses Part 6: 1994 Fuse-holders for miniature cartridge fuse-links.

IEC 60238 (1996-06) Edison screw lampholders.

IEC 60269-1 (1986 09) Low-voltage fuses Part 1: General requirements (including Amendments A1 (1994-03) and A2 (1995-11)).

IEC 60269-2 (1986-09) Low voltage fuses Part 2: Supplementary requirements for fuses used by authorised persons (fuses mainly for industrial application) (including Amendment A1 (1995-11)).

IEC 60269-2-1 (1996-10) Low voltage fuses Part 2: Supplementary requirements for fuses used by authorised persons Section 1: Fuses with fuse-links with Blade-contacts.

IEC 60269-2-2 (1996-10) Low voltage fuses Part 2: Supplementary requirements for fuses used by authorised persons Section 2: Fuses with fuse-links for bolted connections.

IEC 60269-2-3 (1996-10) Low voltage fuses Part 2: Supplementary requirements for fuses used by authorised persons Section 3: Fuses with fuse-links having cylindrical contacts.

IEC 60269-3 (1987-06) Low voltage fuses Part 3: Supplementary requirements for fuses used by unskilled persons (fuses mainly for household and similar applications).

IEC 60269-3-1 (1994-08) Low voltage fuses Part 3: Supplementary requirements for fuses used by authorised persons Section 1-1-IV.

Note: IEC 60269-3-1 is intended to be read in conjunction with IEC 60269-1 (1986) (including Amendment A1 (1995-12)).

IEC 60269-4 (1986-10) Low voltage fuses Part 4 Supplementary requirements for fuse-links for the protection of semiconductor services (including Amendment A1 (1995-12)).

Note: IEC 60269-4 is intended to be read in conjunction with IEC 60269-1 (1986).

IEC 60320-1 (1994-06) Appliance couplers for household and similar general purposes–Part 1: General requirements (including Amendments A1 (1995-10) and A2 (1996-10)).

Note: IEC 60320-1 is equivalent to AS/NZS 3109-1:1996.

IEC 60320-2-1 (1984-01) Appliance couplers for household and similar general purposes–Part 2-1: Sewing machine couplers.

IEC 60320-2-2 (1990-01) Appliance couplers for household and similar general purposes–Part 2-2: Interconnection couplers for household and similar equipment (including Amendment A1 (1994-11)).

IEC 60432-1 (1993-09) Safety specification for incandescent lamps Part 1: Tungsten filament lamps for domestic and similar general lighting purposes (including Amendment A1 (1995-10)).

IEC 60570 (1995-11) Electrical supply track systems for luminaires.

IEC 60570-2-1 (1994-09) Electrical supply track systems for luminaires Part 2: Mixed supply systems–Section 1: Classes I and III.

IEC 60669-1 (1993-10) Switches for household and similar fixed electrical installations Part 1: General requirements (including Amendments A1 (1994-10) and A2 (1995-10)).

IEC 60669-2-1 (1996-11) Switches for household and similar fixed electrical installations Part 2: Particular requirements Section 1: Electronic switches (including Amendment A1(1997-06)).

IEC 60669-2-2 (1996-11) Switches for household and similar fixed electrical installations. Part 2: Particular requirements Section 2: Electromagnetic remote control switches (R.C.S.) (including Amendment A1 (1997-06)).

IEC 60669-2-3 (1984-01) Switches for household and similar fixed electrical installations Part 2-3: Particular requirements for time delay switches (T.D.S.).

IEC 60920 (1990-07) Ballasts for florescent lamps General and safety requirements (including Amendments A1 (1993-01) and A2 (1995-10)).

IEC 60922 (1997-01) Auxiliaries for lamps-Ballasts for discharge lamps (excluding tublar fluorescent lamps)–General and safety requirements.

IEC 60924 (1990-07) D.C. supplied electronic ballasts for tubular fluorescent lamps-General safety requirements (including Amendment 1 (1993-03)).

IEC 60968 (1988-11) Self-ballasted lamps for general lighting services (Safety requirements) (including Amendment A1 (1991-04)).

IEC 61058-1 (1996-10) Switches for appliances Part 1: General requirements (including Amendment A1 (1997-10)).

IEC 61058-2-1 (1992-06) Switches for appliances Part 2.1: Particular requirements for cord switches (including Amendment A1 (1995-10)).

IEC 61058-2-5 (1994-05) Switches for appliances Part 2.5:
Particular requirements for changeover selectors.

IEC 61184 (1997-08) Bayonet lampholders.

PART 4: CABLES, CONDUITS & WIRING FITTING STANDARDS

AS 1074:1989 Steel tubes and tubulars for ordinary service.

AS 1125:1993 Conductors in insulated electric cables and flexible cords (including Amendments A1 (11-1993)).

AS 1977:1977 Flexible insulating sleeving for electrical purposes.

AS 2802:1992 Electric cables–Reeling and trailing–For mining and general use (other than underground coal mining).

AS 3147–1992 Approval and test specification–Electric cables–Thermoplastic insulated–for working voltages up to and including 0.6/1 kV (including Amendments A1 (08-1993), A2 (10-1995) and A3 (07-1996)).

AS 3158–1994 Approval and test specification–Electric cables–Glass fibre insulated for working voltages up to and including 0.6/1 kV.

AS 3178–1991 Approval and test specification–Electric cables–Silicon rubber insulated–for working voltages up to and including 0.6/1 kV.

AS 3560–1991 Electric cables–XLPE insulated–Aerial bundled–for working voltages up to and including 0.6/1 kV (including Amendments A1 (07-1991) and A2 (08-1992)).

AS 3675–1993 Conductors–covered overhead–for working voltages 6.35/11 kV up to and including 19/33 kV.

AS 3766–1990 Mechanical fittings for low voltage aerial bundled cables.

AS 4026–1992 Electric cables–For underground residential distribution systems.

AS/NZS 1995:1995 Welding cables.

AS/NZS 2053.1:1995 Conduits and fittings for electrical installations Part 1: General requirements (including Amendments A1 (05-1997)).

AS/NZS 2053.2:1995 Conduits and fittings for electrical installations Part 2: Rigid plain conduits and fittings of insulating material (including Amendments A1 (12-1995) and A2 (08-1996)).
Note: AS/NZS 2053.2 is intended to be read in conjunction with AS/NZS 2053.1:1995.

AS/NZS 2053.3:1995 Conduits and fittings for electrical installations Part 3: Rigid plain conduits and fittings of fibre-reinforced concrete material.
Note: NZS 2053.3 is intended to be read in conjunction with AS/NZS 2053.1:1995.

AS/NZS 2053.4:1995 Conduits and fittings for electrical installations Part 4: Flexible plain conduits and fittings of insulating material.
Note: AS/NZS 2053.4 is intended to be read in conjunction with AS/NZS 2053.1:1995.

AS/NZS 2053.5:1995 Conduits and fittings for electrical installations Part 5: Corrugated conduits and fittings of insulating material (including Amendments A1 (04-1996) and A2 (05-1997)).
Note: AS/NZS 2053.5 is intended to be read in conjunction with AS/NZS 2053.1:1995.

AS/NZS 2053.6:1995 Conduits and fittings for electrical installations Part 6: Profile-wall, smooth-bore conduits and fittings of insulating material (including Amendments A1 (08-1996)).

AS/NZS 2053.7:1995 Conduits and fittings for electrical installations Part 7: Rigid metal conduits and fittings (including Amendments A1 (04-1995)).
Note: AS/NZS 2053.7 is intended to be read in conjunction with AS/NZS 2053.1:1995.

AS/NZS 2053.8:1995 Conduits and fittings for electrical installations Part 8: Flexible conduits and fittings of metal or composite material.
Note: AS/NZS 2053.8 is intended to be read in conjunction with AS/NZS 2053.1:1995.

AS/NZS 2648.1:1995 Underground marking tape Part 1: Non-detectable tape.

AS/NZS 3085.1:1995 Telecommunication installation–Administration of communication cabling systems Part 1: Basic requirements.

AS/NZS 3116:1996 Approval and test specification–Electric cables–Elastomer insulated–for working voltages up to and including 0.6/1 kV.

AS/NZS 3155:1993 Approval and test specification–Electric cables–Neutral screened–for working voltages of 0.6/1 kV.

AS/NZS 3166:1995 Approval and test specification–Cables for high voltage luminous discharge tube installations.

AS/NZS 3187:1995 Approval and test specification–Mineral-insulated metal-sheathed cables (including Amendments A1 (07-1997)).

AS/NZS 3188:1995 Approval and test specification– Terminations and glands for mineral-insulated metal-sheathed cables.

AS/NZS 3191:1996 Approval and test specification for electric flexible cords (including Amendments A1 (04-1997) and A2 (06-1998)).

AS/NZS 3198:1996 Approval and test specification–Electric cables–XLPE insulated–for working voltages up to and including 0.6/1 kV.

AS/NZS 4193.1:1994 Electrical cables for use in ships Part 1: Low voltage shipboard power cables–General construction and test requirements (including Amendments A1 (12-1994)).

AS/NZS 4193.2:1994 Electrical cables for use in ships Part 2: Insulating materials for shipboard power cables (including Amendments A1 (12-1994)).

AS/NZS 4193.3:1994 Electrical cables for use in ships Part 3: Sheathing materials for shipboard power, control and Telecommunication cables (including Amendments A1 (12-1994)).

AS/NZS 4193.4:1994 Electrical cables for use in ships Part 4: Single and multicore cables with extruded solid insulation for rated voltages 0.6/1 kV (including Amendments A1 (12-1994)).

AS/NZS 4193.5:1994 Electrical cables for use in ships Part 5: Shipboard multicore cables for control circuits (including Amendments A1 (12-1994) and A2 (02-1997)).

AS/NZS 4296:1995 Cable trunking systems.

BS 951:1986 Specification for clamps for earthing and bonding purposes (including Amendment 6635 (04-1991)).

BS 6500:1994 Specification for insulated flexible cords and cables.

NZS 2265:1969 Earthing clamps (including Amendments (A5 1991)).

NZS 6401:1973 (1991) PVC-insulated cables for electric power and lighting.

Note: NZS 6401 reconfirmed in Amendment (A5-1991).

PART 5: SWITCHGEAR AND CONTROLGEAR STANDARDS

AS 1023.1:1985 Low voltage switchgear and controlgear—Protection of electric motors Part 1: Built-in thermal detectors and associated control units.

AS 1023.3:1973 Low voltage switchgear and controlgear—Protection of electric motors Part 3: Inherent overheat protectors (metric units).

AS 2395:1980 Terminals for switchgear assemblies for alternating current voltages above 1 kV.

AS 3111:1994 Approval and test specification—Miniature overcurrent circuit-breakers (including Amendments A1 (10-1996)).

Note: AS 3111 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3132–1991 Approval and test specification—Enclosures of insulation material for switchgear and controlgear (including Amendments A1 (02-1993)).

AS 3190:1994 Approval and test specification—Residual current devices current-operated earth leakage devices.

Note: AS 3190 is intended to be read in conjunction with AS/NZS 3100:1997.

AS 3439.1:1993 Low voltage switchgear and controlgear assemblies Part 1: Type-tested and partially type tested assemblies (including Amendments A1 (06-1994)).

AS 3439.2–1994 Low-voltage switchgear and controlgear assemblies Part 2: Particular requirements for busbar trunking systems (busways).

AS 3439.3–1995 Low-voltage switchgear and controlgear assemblies Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use—Distribution boards.

AS 3439.4–1995 Low-voltage switchgear and controlgear assemblies Part 4: Particular requirements for assemblies for construction sites (ACS) (including Amendments A1 (12-1996)).

AS/NZS 3947.1:1998 Low-voltage switchgear and controlgear Part 1: General rules.

Note: AS/NZS 3947.1 is technically equivalent to and reproduced from IEC 60947-1 (1996).

AS 3947.2–1997 Low-voltage switchgear and controlgear Part 2: Circuit breakers.

Note: AS 3947.2 is technically equivalent to and reproduced from IEC 60947-2 (1996).

AS 3947.3–1994 Low-voltage switchgear and controlgear–Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units (including Amendments A1 (03-1995)).

Note: AS 3947.5.1 is technically equivalent to and reproduced from IEC 60947 (1990) (including corrigendum:1991).

AS 3947.3 (Supplement 1–1995) Low-voltage switchgear and controlgear Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units (supplement to AS 3947.3–1994).

AS 3947.4.1–1995 Low-voltage switchgear and controlgear Part 4.1: Contactors and motor-starters–Electromechanical contactors and motor-starters (including Amendments A1 (11-1995)).

Note: AS 3947.4.1 is technically equivalent to and reproduced from IEC 60947-4-1 (1990).

AS 3947.4.2–1997 Low-voltage switchgear and controlgear– Part: 4.2: Contactors and motor starters–A.C. semiconductor motor controllers and starters.

Note: AS 3947.4.2 is technically equivalent to and reproduced from IEC 60947-4-2 (1995).

AS 3947.5.1:1995 Low-voltage switchgear and controlgear–Part 5.1: Control circuit devices and switching elements–Electromechanical control circuit devices.

Note: AS 3947.5.1 is technically equivalent to and reproduced from IEC 60947-5-1 (1990) (including corrigendum:1991 and Amendment A1 (1994)).

AS 3947.5.2–1995 Low-voltage switchgear and controlgear– Part 5.2: Proximity switches (including Amendments A1 (06-1996)).

Note: AS 3947.5.2 is technically equivalent to and reproduced from IEC 60947-5-2 (1992) (including Amendment A1 (1994)).

AS 3947.6.1–1996 Low-voltage switchgear and controlgear– Part 6.1: Multi function equipment–Automatic transfer switching.

Note: AS 3946.6.1 is technically equivalent to and reproduced from IEC 60947-6-1 (1989) (including corrigendum (1991) and Amendment A1 (1994)).

AS 3947.6.2–1996 Low-voltage switchgear and controlgear– Multifunction equipment–Control and protective switching devices for equipment) (CPS).

Note: AS 3947.6.2 is technically equivalent to and reproduced from IEC 60947-6-2 (1992), (including corrigendum (1995)).

AS 3947.7.1–1996 Low-voltage switchgear and controlgear– Part 7.1: Ancillary equipment–Terminal blocks for copper conductors.

Note: AS 3947.7.1 is technically equivalent to and reproduced from IEC 60947-7-1 (1989).

AS 3947.7.2:1996 Low-voltage switchgear and controlgear–Part 7.2: Ancillary equipment–Protective conductor terminal blocks for copper conductors.

Note: AS 3947.7.2 is technically equivalent to and reproduced from IEC 60947-7-2 (1995).

AS 4278:1995 A method of assessing the short-circuit withstand strength of partially type-tested assemblies (PTTA).

Note: AS 4278 is based on IEC 61117 (1992).

AS 4388–1996 A method of temperature assessment by extrapolation for partially type-tested assemblies (PTTA) of low voltage switchgear and controlgear.

Note: AS 4388 is technically equivalent to and reproduced from IEC 60890 (1987) (including corrigendum (1988) and Amendments A1:(1995)).

AS/NZS 3175.1:1994 Approval and test specification–Residual current-operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's). Part 1: General rules (including Amendments A1 (04-1995)).

Notes:

- 1 AS/NZS 3175.1 is technically equivalent to and reproduced from IEC 61008-1 (1990) (including Amendment A1 (1992)); and
- 2 AS/NZS 3175.1 is intended to supersede and run concurrently with AS 3190:1994 until (14-11-2004).

AS/NZS 3175.2.1:1994 Approval and test specification– Residual current-operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's).

Part 2: Applicability of the general rules to RCCB's.

Part 2.1: Functionally independent of line voltage.

Note: AS/NZS 3175.2.1 is intended to supersede and run concurrently with AS 3190:1994 until (14-11-2004).

AS/NZS 3175.2.2:1994 Approval and test specification– Residual current-operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's).

Part 2: Applicability of the general rules to RCCB's.

Part 2.2: Functionally dependent on line voltage.

Note: AS/NZS 3175.2.2 is intended to supersede and run concurrently with AS 3190:1994 until (14-11-2004).

AS/NZS 4898:1997 Approval and test specification–Circuit-breakers for overcurrent protection for household and similar installations.

Note: AS/NZS 4898 is based on IEC 60898 (1995).

PART 6: ELECTRICITY DISTRIBUTION SAFETY STANDARDS

AS 1028–1992 Power reactors and earthing transformers.

AS 2225–1994 Insulating gloves for electrical purposes (including Amendments A1 (05-1996)).

AS 2626–1983 Industrial safety belts and harnesses–Selection, use and maintenance.

AS/NZS 1891.1:1995 Industrial safety belts and harnesses (including Amendments A1 (03-1997), A2 (10-1997) and A3 (05-06-1998)).

AS/NZS 2978:1995 Insulating mats for electrical purposes.

EN 60903:1992 Specification for gloves and mitts of insulating material for live working.

Note: EN 60903 is based on IEC 60903 (1988).

IEC 60903 (1988-03) Specification for gloves and mitts of insulating material for live working.

ASTM D120:87^{□1} Specification for Rubber Insulating Gloves.

NZS 3609:1978 Specification for timber ladders (including Amendments A1 (1984)).

NZS 4203:1992 Code of Practice for general structural design loadings for buildings.

NZS 6108:1984(1991) Specification for accommodation for electricity supply substations in consumers buildings.

Note: NZS 6108 reconfirmed in 1991.

PART 7: HARMONIC AND VOLTAGE FLICKER STANDARDS

AS 2279.2:1991 Disturbances in mains supply networks Part 2: Limitation of harmonics caused by industrial equipment.

AS/NZS 61000.3.2:1998 Electromagnetic compatibility (EMC). Part 3.2: Limits—Limits for harmonic current emissions (equipment input current less than or equal to 16 A per phase).

AS/NZS 61000.3.3:1998 Electromagnetic compatibility Part 3 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current less than or equal to 16 A.

AS/NZS 61000.3.5:1998 Electromagnetic compatibility Part 3 5: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current greater than 16 A.

PART 8: COAL MINING ELECTRICAL SAFETY STANDARDS

AS 1039–1986 Electrical equipment for coal mines–Explosion-protected distribution and control boxes for voltages up to 3300 V a.c..

AS 1147.1–1989 Electrical equipment in coal mines–Insulating materials Part 1, Materials for insulating power conducting components.

AS 1299–1993 Electrical equipment in coal mines–Flame-proof restrained plugs and receptacles.

AS 1300–1989 Electrical equipment in coal mines–Bolted flame-proof cable coupling devices.

AS 1740–1990 Electrical equipment in coal mines–Transformer substations for use underground.

AS 1747–1993 Reeling, trailing and feeder cables used for mining–Repair and testing.

AS 1828–1984 Electrical equipment in explosive atmospheres–Cable glands (including Amendments A1 (11-1985)).

AS 1972:1996 Electric cables–Underground coal mines–Other than reeling and trailing cables.

AS 2081.1–1988 Electrical equipment for Coal and Shale mines–Electrical protection devices Part 1–General requirements.

AS 2081.2–1988 Electrical equipment for Coal and Shale mines–Electrical protection devices Part 2–Earth-continuity monitoring devices.

AS 2081.3–1988 Electrical equipment for Coal and Shale mines–Electrical protection devices Part 3–Earth-leakage protection devices for use on systems incorporating earth fault current limiters.

AS 2081.4–1988 Electrical equipment for Coal and Shale mines–
Electrical protection devices Part 4–Lockout earth-fault protection
devices.

AS 2081.5–1988 Electrical equipment for Coal and Shale mines
Electrical protection devices Part 5–Earth-fault current limiters.

AS 2290.1–1990 Electrical equipment for Coal mines–
Maintenance and overhaul Part 1–Maintenance of electrical
equipment for Hazardous areas.

AS 2290.3–1990 Electrical equipment for Coal mines–
Maintenance and overhaul Part 3–Maintenance of gas detecting
and monitoring equipment.

AS 2380.2–1990 Electrical equipment for explosive atmospheres–
Explosion protection techniques Part 2: Flameproof enclosures d.

AS 2595.1–1992 Electrical equipment for Coal mines–Electrical
requirements for underground mining machines and accessories
Part 1–Equipment for use in Hazardous areas.

AS 2802–1992 Electric cables–reeling and trailing– For mining
and general use (other than underground coal mining).

AS 2989–1992 Electrical equipment for Coal mines–Specific –
requirements for high voltage circuit-breakers and disconnectors.

AS/NZS 1802–1995 Electric cables–Reeling and trailing–For
underground coal mining purposes.

AS/NZS 3800:1997 Electrical equipment for explosive
atmospheres–Overhaul and repair.

SECOND SCHEDULE

ORGANISATIONS FROM WHICH TEST RESULTS FOR COMPLIANCE WITH THE STANDARDS LISTED IN THIS CODE ARE PRIMA FACIE ACCEPTABLE

NEW ZEALAND

Laboratory: Wakefield Laboratories Limited
NLAO: IANZ 69
Address: 54 Tarndale Grove
PO Box 330
Albany
AUCKLAND 1331

Laboratory: Auckland Testing Laboratories Ltd
NLAO: IANZ 374
Address: 10/32 Moselle Avenue
Henderson
AUCKLAND

Laboratory: Parkside Laboratories Ltd
NLAO: IANZ 363
Address: 14 Hazeldean Road
CHRISTCHURCH 2

AUSTRALIA

Laboratory: TCA
NLAO: NATA 62
Address: Testing & Certification Australia
PO Box 841 Artarmon
NSW 2064

Laboratory: S G S Australia Pty Ltd
Appliance Testing Laboratory
NLAO: NATA 3637
Address: 73 Williams Road
BLACKBURN VIC 3130

AUSTRALIA

Laboratory: ENERGEX
 NLAO: NATA 74
 Address: South East Queensland Electricity Board
 Approvals Laboratory
 Building 4 Blinzinger Road
 BANYO Queensland 4014

Laboratory: Australian Electrical Testing Centre
 NLAO: NATA 1848
 Address: Warrendi Road
 The Levels
 POORAKA SA 5098

OTHER COUNTRIES

AUSTRIA

Laboratory: BFVA/ETI
 NCB: ÖVE
 Address: Elektrotechnische Institut
 der Prüf-und Versuchanstalt im
 Arsenal
 Arsenal, Faradaygasse 3
 A-1030 WIEN

Laboratory: PVEW
 NCB: ÖVE
 Address: Prüf- und Versuchanstalt der
 Elektrizitätswerke Österreichs
 Obere Augartenstrasse 14 a
 A-1020 WIEN

Laboratory: TGM/VA/E
 NCB: ÖVE
 Address: Versuchanstalt für Elektro-
 technik am Technologischen
 Gewerbemuseum Wexstrasse 19-23
 A-1200 WIEN

Laboratory: TGM/VA/R
 NCB: ÖVE
 Address: Versuchanstalt für Radio-
 technik am Technologischen
 Gewerbemuseum Wexstrasse 19-23
 A-1200 WIEN

AUSTRIA

Laboratory: CTI
NCB: ÖVE
Address: Cooperative Testing Institute
for Electrotechnical Products Ltd
- Gesellschaft zur Prüfung elektro-
technischer Industrieprodukte G.m.b.H
Geinergasse 30, Postfach 3
A-1195 WIEN

Laboratory: TÜV Österreich
NCB: ÖVE
Address: Prüfstelle des TÜV Österreich
Deutschstrasse 10
A-12030 WIEN

BELGIUM

Laboratory: Laboratoire d'Electricite
Address: c/o LABORELEC
rue de Rhode, 125
B-1630 LINKEBEEK

Laboratory: LCE-CLE
NCB: CEBEC
Address: Laboratoire Central
d'Electricite (L.C.E.)
Central laboratorium voor
Elektriciteit (C.L.E.)
Avenue F. van Kalken 9 A
B-1070 Brussels

BRITAIN

Laboratory: BSI
NCB: BEAB
Address: BSI Testing
Marylands Avenue
Hemel Hempstead
HERTS HP2 4SQ

BRITAIN

Laboratory: ERA
NCB: ASTA
Address: Electrical Engineering Centre
Test and Assessment Department
Cleeve Road
Leatherhead
SURREY KT22 7SA

CANADA

Laboratory: CSA
NCB: CSA
Address: Canadian Standards Association
178 Rexdale Boulevard
Rexdale (Toronto)
ONTARIO M9W 1R3

CZECH REPUBLIC

Laboratory: EZU
NCB: EZU
Address: Elektrotechnický zkušební ústav
Pod lísem 129
CS-171 02 PRAHA 8 TROJA

CHINA

Laboratory: BTIHEA
NCB: CCEE
Address: Beijing Testing and Inspection
Station for Household Electric
Appliances (BTIHEA)
29 Xia Xie Jie, Xuan Wu District
100053 BEIJING

Laboratory: GTIEP
NCB: CCEE
Address: Guangzhou Testing and Inspection
Station for Electric Products
(GTIEP)
1 Dongguan Zhuang Road
510610 GUANGZHOU

CHINA

Laboratory: GTIES
NCB: CCEE
Address: Guangzhou Testing and Inspection
Station for Electrical Safety
(GTIES)
3 Taishanmiaoquian, Nancun Henan
510220 GUANGZHOU

Laboratory: GTIHEA
NCB: CCEE
Address: Guangzhou Testing and Inspection
Station for Household Electric
Appliances (GTIHEA)
204 Xingang West Road GUANGZHOU

Laboratory: STIEP
NCB: CCEE
Address: Shanghai Testing and Inspection
Station for Electronic Products
(STIEP)
627 Yong Ja lu
20031 SHANGHAI

Laboratory: TICW
NCB: CCEE
Address: Testing and Inspection Station
for Cable and Wire (TICW)
1000 Yun Gong Road
200093 SHANGHAI

Laboratory: TIET
NCB: CCEE
Address: Testing and Inspection Station
for Electric Tools (TIET)
10 Bao Qing Road
200031 SHANGHAI

Laboratory: TILVA
NCB: CCEE
Address: Testing and Inspection Station
for Low-Voltage Apparatus (TILVA)
505 Wu Ning Road
200063 SHANGHAI

CHINA

Laboratory: TIRT
NCB: CCEE
Address: Testing and Inspection Station
for Radio and Television Products
(TIRT)
Da Shanzi Dong Zhi Men Wai
100015 BEIJING

Laboratory: BTIEP
NCB: CCEE
Address: Beijing Testing and Inspection Station
for Electronic Products (BTIEP)
Post Box 1101
10007 BEIJING

DENMARK

Laboratory: DEMKO
NCB: DEMKO
Address: Lyskaar 8
Post Box 514
DK-2730 HERLEV

FINLAND

Laboratory: FIMKO
Address: Särkiniementie 3
P.O.Box 31
FIN-00211 HELSINKI

FRANCE

Laboratory: LCIE
NCB: UTE
Address: Laboratoire Cental des
Industries Electriques(LCIE)
33, avenue du General Leclerc
F-92260 FONTENAY-AUX-ROSES
(Seine)

Laboratory: LNE
Address: Laboratoire National D'Essais
1, rue Gaston Boissier
75015 PARIS

GERMANY

Laboratory: VDE-PZI
NCB: VDE-PZI
Address: VDE, Prüf- und Zertifizierungs-institut
Merianstrasse 28
D-63069 OFFENBACH (MAIN)

Laboratory: TÜV Product Service
Address: TÜV Product Service
Ridlerstrasse 31
D-8000 MÜNCHEN 2

Laboratory: TÜV
Address: TÜV Rheinland/TSU GmbH
Postfach
D-51101 KÖLN

Laboratory: TÜV
NCB: TÜV
Address: TÜV Rheinland Sicherheit und
Umweltschutz GmbH
Am Grauen Stein
D-51105 COLOGNE

Laboratory: LGA
NCB: VDE-PZI
Address: LGA Bayern
Tillystrasse 2
D-90431 NÜRNBERG

GREECE

Laboratory: ELOT
NCB: ELOT
Address: Elot Testing Laboratory
12-14 Kolonou Street
GR-10437 ATHENS

HOLLAND

Laboratory: KEMA
NCB: KEMA
Address: Kema Nederland B.V
Utrechtseweg 310
P.O. Box 9035
NL-6800 ET ARNHEM

HUNGARY

Laboratory: MEEI
NCB: MEEI
Address: Hungarian Institute for Testing
and Certification of electrical
Equipment
Vaci ut 48/a-b
Pf 441
H-1395 BUDAPEST XIII

INDIA

Laboratory: CPRI
NCB: BIS
Address: Central Power Research Institute
Switchgear testing & Development Station
PO Govindpura
BHOPAL - 461023

Laboratory: CPRI
NCB: BIS
Address: Central Power Research Institute
Cables & Capacitors Laboratory
PO Govindpura
BHOPAL - 461023

Laboratory: CPRI
NCB: BIS
Address: Central Power Research Institute
Prof. Sir. C.V. Raman Road
PO Box No 9401
BANGALORE - 560094

Laboratory: ERDA
NCB: BIS
Address: Electrical Research & Development
Association
PO Box No 760 Makarpura
Industrial Estate
Makarpura road
VADODARA - 390010

INDIA

Laboratory: ERTL(W)
NCB: BIS
Address: Electronics Regional Test Laboratory
(West)
Midc. Area Plot Nos. 7 & 8
Andheri (East)
BOMBAY

Laboratory: ERTL(E)
NCB: BIS
Address: Electronics Regional Test Laboratory
(East)
DN Block Bidhannager Sector V
Salt Lake City
CALCUTTA - 700 091

Laboratory: ERTL(N)
NCB: BIS
Address: Electronics Regional Test Laboratory
(North)
Okhia Ind. Area Phase II
NEW DELHI - 110 020

IRELAND

Laboratory: EOLAS
NCB: NSAI
Address: The Irish Science and Technology Agency
Glasnevin
IE-DUBLIN 9

ITALY

Laboratory: IMQ
NCB: IMQ
Address: Istituto Italiano del Marchio
di Qualitata
Via Quintiliano 43
1-20138 MILANO

ISRAEL

Laboratory: SII
NCB: SII
Address: The standards Institute of Israel
42 Chaim Levanon Str.
IL-TEL-AVIV 69977

JAPAN

Laboratory: JQA
NCB: IECEE-JP
Address: Japan Quality Assurance Organization
9-15 Akasaka
1 Chome
Minato-ku
TOKYO 107

Laboratory: JET
NCB: IECEE-JP
Address: Japan Electrical Testing Laboratory
5-14-12 Yoyogi, Shibuya-Ku
TOKYO, 151

Laboratory: JCII
NCB: IECEE-JP
Address: Japan Camera and Optical
Instruments Inspection and
Testing Institute
25 Ichiban-cho Chiyoda-Ku
TOKYO 102

KOREA

Laboratory: KAITECH
NCB: IECEE-KR
Address: Korea Academy of Industrial Technology
222-13 Guro Dong Guro-ku
152-650 SEOUL

NORWAY

Laboratory: NEMKO
NCB: NEMKO
Address: Norges Elektriske Materiellkontroll
Gaustadelleen No.30
PO Box 73 Blindern
N-0314 OSLO

POLAND

Laboratory: PCBC
NCB: PCBC
Address: CBJW Central Office for Quality of Products
Electrical laboratory
ul. Swietojska 5/7
PL-00-236 WARSZAWA

Laboratory: BBJ-SEP
NCB: PCBC
Address: Association of Polish
Electrical Engineers
Quality Testing Office
ul. Pozarskyiego 28 Building 10A
PL-04-703 WARSZAWA

SINGAPORE

Laboratory: PSB
NCB; PSB
Address: Singapore Productivity and Standards Board
No 1 Science Park Drive
SINGAPORE 0511

SLOVENIA

Laboratory: Slovenian Institute of Quality
and Metrology
Testing Division
Address: Trzaskn 2
61000 LJUBLJANA

SOUTH AFRICA

Laboratory: South African Bureau of Standards
Address: 1 Dr Lategan Road
GROENKLOOF

SPAIN

Laboratory: ASINEL
Address: ctra. de Vjllaviciosa de Oden
u Mostoles Km 1.6
E-Mostoles
MADRID

SWEDEN

Laboratory: SEMKO
NCB: SEMKO
Address: Torshamnsgatan 43 Kista
Box 1103
S-164 22 KISTA STOCKHOLM

SWITZERLAND

Laboratory: SEV
NCB: SEV
Address: Schweizerischer Elektrotechnischer Verein
Division Testing and Certification
Luppmenstrasse 1
CH-8320 FEHRALTORF

YUGOSLAVIA

Laboratory: The Federal Institute for
Standardization
Quality Assurance and Certification
Department
Address: Slobodena Penezica-Krcuna 35
Pb. 933
YU-11001 BEOGRAD