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## Declared or Prescribed Electrical Equipment

This document sets out the definitions of the various declared products extracted for the NSW Electricity (Consumer Safety) Act 2004. The Class Specifications or Standards listed at the end of each definition reflects the current available standard and will vary from those listed in the New South Wales legislation and in AS/NZS 4417.2. These class specifications or more current applicable specifications will be used for the SAA product certification process where appropriate.

All electrical products that fall within one of the following definitions must have approval certification prior to sale. If you are uncertain if your product is declared please contact SAA Approvals.

\* Indicates the Class Specification is in the course of being replaced by another Class Specification. The (date) is the date the replacement Class Specification takes force.

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### 1. Appliance Connector

An electrical device which —

- (a) is for attachment to a flexible cord; and
- (b) makes a detachable connection between the conductors of the cord and the pins or contacts of any low voltage appliance or equipment of a type intended or generally used for household applications;

But does not include —

- (c) a connector within the scope of AS/NZS 3123; or
- (d) a plug or socket-outlet within the scope of AS/NZS 3131.

**Class Specification:** Appliance plug: AS/NZS 60320.1  
Plug connector: AS/NZS 60320.2.2

### 2. Arc Welder Machine

An electrical appliance which —

- (a) is for use in the electric arc welding process;
- (b) is for connection to single phase low voltage supply;
- (c) is fitted with a flexible cord and plug rated at not more than 16 A;
- (d) can easily be moved from one place to another while it is connected to supply; and
- (e) has, for GMAW (gas metal arc welding), GTAW (gas tungsten arc welding), and FCAW (flux cored arc welding) machines, a 100% output rating not exceeding 65 A. The 100% rating is calculated from the square root of the marked duty cycle expressed in decimal form multiplied by the marked output current associated with the duty cycle in amperes;

But does not include —

- (f) an arc welding machine promoted exclusively to industry.

**Class Specification:** AS/NZS 60974.6

### 3. Bayonet Lampholder

An electrical device which —

- (a) accommodates a lamp with a bayonet cap of 15 mm or 22 mm nominal diameter;

But does not include —

- (b) a lampholder which by design is restricted to specific appliances; or
- (c) a lampholder which is for incorporation in industrial equipment only.

**Class Specification:** AS 3117\* (30 Dec 2016) or AS/NZS61184

### 4. Bayonet Lampholder Adaptor

An electrical device which —

- (a) is for insertion into a B22 bayonet lamp holder; and
- (b) is for connection to a flexible cord; or
- (c) has one or more lamp holders.

**Class Specification:** AS 3119

### 5. Blanket

An electrical appliance which —

- (a) is for the application of heat to a bed;
- (b) is flexible;
- (c) has a fabric enclosure; and
- (d) has a projected surface area exceeding 0.6 m<sup>2</sup>;

and includes —

- (e) any associated power supply or controller.

**Class Specification:** AS/NZS 60335.2.17

**6. Bread Toaster**

An electrical appliance which —

- (a) is a household type; and
- (b) is for toasting bread or similar foods.

**Class Specification:** AS/NZS 60335.2.9

**7. Clothes Dryer**

An electrical appliance which —

- (a) is a household type; and
- (b) is for drying textile material.

**Class Specification:** Rotary type: AS/NZS 60335.2.11  
Cabinet type: AS/NZS 60335.2.43

**8. Control or Conditioning Device**

An electrical device which —

- (a) is a household type;
- (b) is for controlling or conditioning the electrical input to electrical apparatus;
- (c) is self contained; and
- (d) connects to supply by means of a flexible cord and plug, appliance inlet or pins for engagement with a socket-outlet.

**Class Specification:** AS/NZS 3197

**9. Cooking Appliance – Portable Type**

An electrical appliance which —

- (a) is a household type;
- (b) is for cooking or warming food by electrical energy; and
- (c) is portable.

**Class Specification:** Griller, roaster or oven  
(including breadmaker): AS/NZS 60335.2.9  
Warming plate or similar: AS/NZS 60335.2.12  
Frying pan, deep fryer or wok: AS/NZS 60335.2.13  
Outdoor barbecue: AS/NZS 60335.2.78

**10. Cord Extension Socket**

An electrical device which —

- (a) is for attachment to a flexible cord;
  - (b) has a maximum rating of 20 A at low voltage; and
  - (c) has contacts whereby a detachable connection may be made with the corresponding pins of a plug or an inlet;
- But does not include —
- (d) a connector or appliance connector designated in AS/NZS 3123; or
  - (e) a socket-outlet designated in AS/NZS 3131; or
  - (f) an installation coupler designated in AS/NZS 61535.1

**Class Specification:** AS/NZS 3120

**11. Cord-Line Switch**

An electrical device which —

- (a) is for attachment in a flexible cord;
- (b) manually opens and closes an electrical circuit; and
- (c) has a rating not exceeding 16 A at low voltage;

but does not include —

- (d) bell push and pendant switches.

**Class Specification:** AS/NZS 3127

**12. Decorative Lighting Outfit**

An electrical appliance which —

- (a) is for decorative, display or illumination purposes;
  - (b) is portable;
  - (c) consists of —
    - (i) lamps (including Light Emitting Diodes "LED" types) or lampholders interconnected by flexible cord of less than 2.5 mm cross-sectional area; or
    - (ii) lamps (including Light Emitting Diodes "LED" types) within a flexible enclosure;
  - (d) may be integral with a frame or similar support;
- and includes —
- (e) any integral power supply or control device.

**Class Specification:** AS/NZS 60598.2.20

**13. Dishwashing Machine**

An electrical appliance which —  
 (a) is a household type; and  
 (b) is for washing of eating or cooking utensils.  
**Class Specification:** AS/NZS 60335.2.5

**14. Edison Screw Lampholder**

An electrical device which —  
 (a) accommodates a lamp with an Edison screw cap of 14 mm or 27 mm nominal outside diameter. but does not include —  
 (b) a lampholder which by design is restricted to specific appliances; or  
 (c) a lampholder which is for incorporation in industrial equipment only.  
**Class Specification:** AS/NZS 3140\* (30 Dec 2016) or AS/NZS 60238

**15. Fan**

An electrical appliance which —  
 (a) is a household type;  
 (b) has a primary function of moving air in its vicinity for comfort or extraction purposes;  
 (c) is self contained;  
 and includes —  
 (d) any associated ancillary equipment.  
**Class Specification:** AS/NZS 60335.2.80

**16. Fence Energiser**

An electrical appliance which —  
 regulates and controls the supply of electrical energy to an electric fence.  
**Class specification:** AS/NZS 60335.2.76

**17. Flexible Heating Pad**

An electrical appliance which —  
 (a) is for application of heat to parts of the human body;  
 (b) is in the form of a flexible pad; and  
 (c) has a projected area not exceeding 0.6m<sup>2</sup>.  
**Class Specification:** Foot Warmer and foot mat: AS/NZS 3350.2.81\* (20 Oct 2013) or AS/NZS 60335.2.81  
 Other: AS/NZS 60335.2.17

**18. Floor Polisher/Scrubber**

An electrical appliance which —  
 (a) is a household type; and  
 (b) is used to polish or scrub floors.  
**Class Specification:** AS/NZS 60335.2.10

**19. Fluorescent Lamp Ballast**

An electrical device which —  
 (a) is for controlling the magnitude of current flowing through the discharge path of a fluorescent lamp;  
 (b) is of the independent or built-in type intended for use with luminaires (portable or fixed); or  
 (c) is of the integral type, rated at 60W or less, such that it forms a non-replaceable part of a fluorescent lamp/ballast combination; or  
 (d) is of the adaptor type such that it allows the insertion of a fluorescent lamp into the ballast by the user;  
 and includes —  
 (e) any capacitor incorporated in or supplied with the ballast;  
 But does not include —  
 (f) a ballast which is incorporated in luminaires certified for compliance with the requirements for electrical equipment with increased safety type protection (Ex e) for use in hazardous locations.  
**Class Specification:** Integral (self ballasted) magnetic or electronic type: AS/NZS 60968  
 Reactive (magnetic) type: AS/NZS 61347.2.8  
 Other Electronic type: AS/NZS 61347.2.3

**20. Fluorescent Lamp Starter**

An electrical device which —  
 (a) is for starting preheat type fluorescent lamps;  
 (b) is a glow-start type; and  
 (c) has an enclosure of insulating material.  
**Class Specification:** AS/NZS 60155 (Section 1)

**21. Hair Care Appliance**

An electrical appliance which —

- (a) is a household type or a commercial hand-held type; and
- (b) is for drying, styling or the caring of human hair.

**Class Specification:** AS/NZS 60335.2.23

**For hair straighteners only —**

- (a) the approval period is limited to 2 (Two) years,
- (b) the test report must indicate testing carried out no more than 12 months prior to application date, and
- (c) the test report must clearly identify the model number and brand name or the manufacturer must provide a clear and concise statement that clarifies any deviation from the report details.

**22. Hedge Clipper**

An electrical appliance which —

- (a) is for trimming hedges; and
- (b) is hand held.

**Class Specification:** AS/NZS 60745.2.15

**23. Immersion Heaters**

An electrical appliance which —

- (a) is a household type;
- (b) is for heating liquid in which it may be immersed; and
- (c) is self contained;

and includes —

- (d) aquarium type immersion heaters.

**Class Specification:** Aquarium type: AS/NZS 60335.2.55

Portable type: AS/NZS 60335.2.55

Fixed type: AS/NZS 60335.2.73

**24. Insect Electrocutor**

An electrical appliance which —

- (a) is a household type; and
- (b) kills insects by the application of electrical energy.

**Class Specification:** AS/NZS 60335.2.59

**25. Inspection Handlamp**

An electrical appliance which —

- (a) is for inspection purposes using illumination;
- (b) holds an incandescent or discharge lamp; and
- (c) is hand held;

But does not include —

- (d) handlamps with a magnification facility.

**Class Specification:** AS/NZS 60598.2.8

**26. Iron**

An electrical appliance which —

- (a) is a household type;
- (b) is for smoothing or pressing fabric by the application of heat or steam; and
- (c) is hand held except for any separate steam generator;

and includes —

- (d) any associated equipment.

**Class Specification:** Fabric steamer type: AS/NZS 60335.2.85

Other type: AS/NZS 60335.2.3

**27. Kitchen Machine**

An electrical appliance which —

- (a) is a household type; and
- (b) is for the preparation of food by mechanical means; or
- (c) is for opening cans; or
- (d) is for sharpening of knives.

**Class Specification:** AS/NZS 60335.2.14

## 28. Lawn Care Appliance

An electrical appliance which —

- (a) is a household type; and
- (b) is for cutting grass or lawn.

**Class Specification:** Mower and fixed blade trimmer: AS/NZS 60335.2.77  
Line or flexible blade trimmer: AS/NZS 60335.2.91  
Grass shears: AS/NZS 60335.2.94

## 29. Liquid Heating Appliance

An electrical appliance which —

- (a) is a household type;
- (b) is portable;
- (c) has a capacity not exceeding 10L; and
- (d) heats liquid for —
  - (i) humidifying room air; or
  - (ii) use in, or as, a hot beverage; or
  - (iii) cooking.

**Class Specification:** Humidifier: AS/NZS 60335.2.98  
Other: AS/NZS 60335.2.15

## 30. Luminaire – Portable Type

An electrical appliance which —

- (a) is a household type;
- (b) provides illumination or for decorative purposes, produces light;
- (c) is fitted with a supply flexible cord, an appliance inlet socket or a power supply unit with integral pins for insertion into a socket;
- (d) is for standing on a table or floor, or is fitted with a clamp or similar for attachment to vertical or horizontal surfaces;
- (e) is for use with tungsten filament, tubular fluorescent or other discharge lamps; and
- (f) is constructed to represent a model, person or animal and, by its design and materials used, is likely to be treated by a child as a toy; or
- (g) has metal parts which are required to be earthed or double insulated from live parts (excluding live parts of an all insulated lampholder).

**Class Specification:** Child appealing type (refer to (f)): AS/NZS 60598.2.10  
AS/NZS 60598.2.10:1998 is modified to deem luminaires to be of class III construction where they are permanently connected to an approved safety extra-low voltage source and that source is separated from the child appealing part by at least 2m.  
With built-in transformer or convertor: AS/NZS 60598.2.6  
Other: AS/NZS 60598.2.4

## 31. Massage Appliance

An electrical appliance which —

- (a) is a household type;
- (b) is for massaging the human body;
- (c) is portable; and
- (d) is self contained.

**Class Specification:** AS/NZS 60335.2.32

## 32. Microwave Oven

An electrical appliance which —

- (a) is a household type; and
- (b) applies heat to food, liquid or other substances in a chamber by means of high-frequency electromagnetic radiation.

**Class Specification:** AS/NZS 60335.2.25

## 33. Miniature Overcurrent Circuit-Breaker

An electrical device which —

- (a) is an enclosed air-break switch;
- (b) opens a low voltage circuit automatically under predetermined conditions of over-current;
- (c) has a nominal rating not exceeding 125 A; and has —
  - (i) a current breaking capacity up to but not including 10 kA; and/or
  - (ii) a projected panel mounting area not exceeding 4000 mm<sup>2</sup> per pole;

but does not include —

- (d) miniature overcurrent circuit-breakers as defined but which are intended and marked as being only for use in industrial application.

**Class Specification:** AS 3111 or AS/NZS 60898.1 and AS/NZS 60898.2 or AS 60947.2 for DC circuit breakers outside the scope of AS/NZS 60898.2

- 34. Outlet Device**  
An electrical device which —
- (a) is a household type;
  - (b) as its primary function, extends supply from a socket-outlet;
  - (c) is portable;
  - (d) incorporates facilities for the insertion of a plug or plugs; and
  - (e) has a rating not exceeding 20 A;
- but does not include —
- (f) a cord extension set.
- Class Specification:** Integral pin type (including travel adaptor): AS/NZS 3122  
Other: AS/NZS 3105
- 35. Plug**  
An electrical device which —
- (a) makes a detachable connection between the contacts of a socket-outlet and the conductors of a flexible cord;
  - (b) has two, three or four pins for insertion into a socket-outlet; and
  - (c) has a maximum rating of 20 A;
- but does not include —
- (d) a plug which is within the scope of AS/NZS 3123 and is intended for industrial use; or
  - (e) a plug which is within the scope of AS/NZS 3131 or AS/NZS 61535.
- Class Specification:** AS/NZS 3112
- 36. Power Supply or Charger**  
An electrical device which—
- (a) provides an output not exceeding 50 V a.c. or 120 V ripple free d.c.; and
  - (b) is a type to provide supply to separate luminaires; or
  - (c) is a household type for either charging batteries or to provide a supply to separate equipment.
- Class Specification:**
- |   |   |
|---|---|
| Power supply for general use:   | AS/NZS 61558.2.6                                    |
| Power supply (electronic or transformer types) designated for use with specific electronic equipment: | AS/NZS 60065 or AS/NZS 60950.1 or AS/NZS 61558.2.16 |
| Power supply for toys:  | AS/NZS 61558.2.7                                    |
| Power supply for bells or chimes:   | AS/NZS 61558.2.8                                    |
| Power supply (electronic type) for lighting purposes:   |   |
| LED modules   | AS/NZS 61347.1 and IEC 61347.2.13                   |
| Other   | AS/NZS 61347.2.2                                    |
| Ferromagnetic type  | AS/NZS 61558.2.6                                    |
| Power supply for handlamps:   | AS/NZS 61558.2.9                                    |
| Battery chargers (General and Automotive types):  | AS/NZS 60335.2.29                                   |
- 37. Projector**  
An electrical appliance which —
- (a) is a household type; and
  - (b) is for projecting an image from a photographic slide or moving film.
- Class Specification:** AS/NZS 3350.2.56\* (23 June 2013) or AS/NZS 60335.2.56
- 38. Range**  
An electrical appliance which —
- (a) is a household type;
  - (b) is for cooking food using heat produced by electrical energy; and
  - (c) is stationary.
- Class Specification:** AS/NZS 60335.2.6
- 39. Range Hood**  
An electrical appliance which —
- (a) is a household type;
  - (b) collects and/or filters air; and
  - (c) is for installation above a cooking appliance.
- Class Specification:** AS/NZS 60335.2.31
- 40. Razor/Hair Clipper**  
An electrical appliance which —
- (a) is a household type; and
  - (b) shaves, cuts or trims human hair.
- Class Specification:** AS/NZS 60335.2.8

#### 41. Refrigerator/Freezer

An electrical appliance which —

- (a) is a household type; and
- (b) cools and stores food.

**Class Specification:** AS/NZS 60335.2.24

#### 42. Residual Current Device

An electrical device which —

- (a) isolates or initiates a tripping signal to isolate a low voltage supply to protected circuits, socket-outlets or equipment in the event of a current flow to earth which exceeds a predetermined level;
- (b) has a rated residual current not exceeding 300 mA for devices intended for connection to fixed wiring or 30 mA for other devices; and
- (c) has a rated load current not exceeding 125 A for devices intended for connection to fixed wiring or 20 A for other devices;

But does not include —

- (d) a device intended to be used with a particular circuit breaker other than a miniature overcurrent circuit-breaker; or
- (e) a device intended to protect an electricity supply authority distribution system; or
- (f) a device covered by AS 2081 and intended for mines use.

**Class Specification:** Without integral over-current protection: AS/NZS 61008.1 or AS/NZS 3190  
 With integral over-current protection: AS/NZS 61009.1 or AS/NZS 3190 and AS/NZS 3111  
 Type 'B' and 'F' devices: IEC 62423  
 Type SPE – PRCDs: IEC 62355

#### 43. Room Heater

An electrical appliance which —

- (a) is a household type; and
  - (b) is for heating, by electrical energy, the atmosphere for comfort purposes;
- and includes —
- (c) an appliance that accommodates one or more heat lamps;

But does not include —

- (c) an airconditioning appliance;
- (d) a heating system that is intended to heat the atmosphere of a room primarily by raising the temperature of any floor, wall, or ceiling area; or
- (e) an under-carpet heating system.

**Class Specification:** Thermal storage type: AS/NZS 60335.2.61  
 Other: AS/NZS 60335.2.30

#### 44. Sewing Machine

An electrical appliance which —

- (a) is a household type; and
- (b) is for stitching fabric or other material.

**Class Specification:** AS/NZS 3350.2.28\* (23 Jun 2013) or AS/NZS 60335.2.28

#### 45. Socket-Outlet

An electrical device which —

- (a) is for fixing at a point at which fixed wiring terminates;
- (b) provides a detachable connection with the pins of a plug;
- (c) has two, three, or four contacts; and
- (d) has a maximum rating of 20 A;

But does not include —

- (d) an outlet within the scope of AS/NZS 3123 or AS/NZS 3131 or AS/NZS 61535.

**Class Specification:** AS/NZS 3112

#### 46. Soldering Iron

An electrical appliance which —

- (a) is for the application or removal of solder; and
- (b) is hand held;

and includes —

- (c) any integral or associated power supply or controller;

But does not include —

- (d) a soldering iron promoted exclusively to industry.

**Class Specification:** AS/NZS 60335.2.45



## 47. Supply Flexible Cord

An electrical cord which —

- (a) is unscreened and flexible;
- (b) is designed for use at low voltage;
- (c) consists of two or three elastomer or PVC insulated cores of multistrand construction;
- (d) has a cross-sectional area of each conductor not exceeding 2.5 mm<sup>2</sup> ; and
- (e) has for other than tinsel cords, individual wire strandings not exceeding —
  - (i) 0.21 mm for conductor sizes up to 1 mm<sup>2</sup>; or
  - (ii) 0.26 mm for conductor sizes exceeding 1 mm<sup>2</sup>;

but does not include —

- (f) a flexible cord directly connected to equipment or approved non-rewirable accessories which is marked in accordance with the CENELEC HAR marking scheme for flexible cords.

**Class Specification:** All types: AS/NZS 3191 or  
 PVC insulated type: AS/NZS 60227.5 or  
 Rubber type: AS/NZS 60245.4 or  
 Halogen free flexible cord: EN 50525-3-11

## 48. Swimming Pool or Spa Equipment

An electrical appliance or device —

- (a) that is a transportable spa pool of transportable spa-bath; or
- (b) that is for circulating air or water in an conventional bath; or
- (c) that is for use in the operation or cleaning of a swimming pool, non-transportable spa pool or non-transportable spa bath;

but does not include —

- (d) an appliance or device exclusively promoted for commercial use; or
- (e) a heat pump.

**Class Specification:** spa pool/bath or appliance to circulate  
 air or water in a conventional bath: AS/NZS 3350.2.60\*(23 Jun 2013) or AS/NZS 60335.2.60  
 Pump: AS/NZS 60335.2.41  
 UV Radiation Water treatment appliances: AS/NZS 60335.2.109  
 Other: AS/NZS 3136

## 49. Television Receiver

An electrical appliance which —

- (a) is for household use;
- (b) is for the display of public or subscription television broadcasts; and
- (c) incorporates a single cathode ray picture tube.

**Class Specification:** AS/NZS 60065

## 50. Therapeutic Lamp

An electrical appliance which —

- (a) is a household type; and
- (b) produces ultraviolet or infra-red radiation for personal, therapeutic or cosmetic purposes; and
- (c) is portable.

**Class Specification:** AS/NZS 60335.2.27

## 51. Tool – Portable Type

An electrical appliance which —

- (a) is for machining, drilling, sawing, or surface preparation; and
- (b) may be entirely supported by hand during operation;

but does not include —

- (c) a tool, portable type, promoted exclusively to industry.

**Class Specification:** Drill AS/NZS 60745.2.1  
 Sander & Polishers Other than disk type: AS/NZS 60745.2.4  
 Circular Saw: AS/NZS 60745.2.5  
 Jig or sabre saw: AS/NZS 60745.2.11  
 Planer: AS/NZS 60745.2.14  
 Router: AS/NZS 60745.2.17  
 Jointer: AS/NZS 60745.2.19  
 Grinder, polisher and disk type sander: AS/NZS 60745.2.3  
 Chainsaw: AS/NZS 60745.2.13  
 Other part 2s in AS/NZS 60745 Series, when published: AS/NZS 60745.1 + appropriate Part 2.  
 Other: AS/NZS 3160



**52. Vacuum Cleaner**

An electrical appliance which —

- (a) is a household type;
- (b) is portable; and
- (c) removes dust, dirt or moisture and the like from floor coverings by suction; or
- (d) removes garden refuse from lawns or paths and the like by suction.

**Class Specification:** Hand held garden type: AS/NZS 60335.2.100  
Other: AS/NZS 60335.2.2

**53. Wall Switch**

An electrical device which —

- (a) is an air-break switch;
- (b) is for connection to the wiring of an electrical installation;
- (c) is primarily for mounting on a vertical surface;
- (d) is manually opened and manually closed; and
- (e) has a rating not exceeding 20 A.

**Class Specification:** AS/NZS 3133

**54. Washing Machine**

An electrical appliance which —

- (a) is a household type; and
- (b) is intended for washing clothes and other textile materials.

**Class Specification:** AS/NZS 60335.2.7

**55. Water Bed Heater**

An electrical appliance which —

- (a) is for installation under a water bed envelope; and
  - (b) heats water contained in that envelope;
- and includes —
- (c) any associated control device.

**Class Specification:** AS/NZS 60335.2.66

**56. Water Heater**

An electrical appliance which —

- (a) (i) is for heating and storage of water for bathing, washing, or similar purposes;
- (ii) incorporates a heating element;
- (iii) is unvented; and
- (iv) has a storage capacity not less than 4.5 L not more than 680 L;

or

- (b) (i) is for heating water;
- (ii) is of the instantaneous type; and
- (iii) incorporates live parts in contact with water.

**Class Specification:** Pressure Storage type: AS/NZS 60335.2.21  
Instantaneous type: AS/NZS 60335.2.35

\* Indicates the Class Specification is in the course of being replaced by another Class Specification (Change-over date is in brackets).

**NOTE:**

Where reference is made to a "part 2" standard such as AS/NZS 3133, AS/NZS 3350.2.2, AS/NZS 60335.2.60 or AS/NZS 61347.2.3 it also includes the base standard as per AS/NZS 3100, AS/NZS 3350.1, AS/NZS 60335.1 & AS/NZS 61347.1  
E.g. AS/NZS 3133 also includes AS/NZS 3100 or AS/NZS 3350.2.2 also includes AS/NZS 3350.1 or AS/NZS 61347.2.3 also includes AS/NZS 61347.1.

**NEED MORE INFORMATION?**

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