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SPECIAL

Electricity Safety Act 1998

NOTICE OF DECLARATION THAT CERTAIN ELECTRICAL EQUIPMENT TO BE PRESCRIBED ELECTRICAL EQUIPMENT

Notice is given under section 57(1) of the **Electricity Safety Act 1998** that the Office of the Chief Electrical Inspector declares the following class, description or type of electrical equipment, listed below, to be prescribed electrical equipment from 3 May 1999:

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.
2. **“Arc welding 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.
3. **“Battery charger – automotive type”** - an electrical appliance which –
 - (a) is a household type; and
 - (b) is for charging batteries of the type intended for automotive use.
4. **“Battery charger – general type”** - an electrical appliance which –
 - (a) is a household type;
 - (b) is for charging batteries other than those of the automotive type;
 - (c) is self contained;
 - (d) is for charging one or more batteries for use in other equipment ; and
 - (e) charges the batteries while they are on or in the charger.
5. **“Bayonet lampholder”** - an electrical device which –
 - (a) accommodates a lamp with a bayonet cap of 15mm or 22mm 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.

6. **“Bayonet lampholder adaptor”** - an electrical device which –
 - (a) is for insertion into a B22 bayonet lampholder; and
 - (b) is for connection to a flexible cord; or
 - (c) has one or more lampholders.
7. **“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 0.6m²;
and includes -
 - (e) any associated power supply or controller.
8. **“Bread toaster”** - an electrical appliance which –
 - (a) is a household type; and
 - (b) is for toasting bread or similar foods.
9. **“Clothes dryer”** - an electrical appliance which –
 - (a) is a household type; and
 - (b) is for drying textile material.
10. **“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.
11. **“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.
12. **“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.
13. **“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.

14. **“Decorative lighting outfit”** - an electrical appliance which –
 - (a) is for decorative, display or illumination purposes;
 - (b) is portable; and
 - (c) consists of -
 - (i) lamps or lampholders interconnected by flexible cord of less than 2.5mm² cross-sectional area; or
 - (ii) lamps within a flexible enclosure;and includes –
 - (d) any integral power supply or control device.
15. **“Dishwashing machine”** - an electrical appliance which –
 - (a) is a household type; and
 - (b) is for washing of eating and cooking utensils.
16. **“Edison screw lampholder”** - an electrical appliance which –
 - (a) accommodates a lamp with an Edison screw cap of 14mm or 27mm 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.
17. **“Extra-low voltage power supply unit”** - an electrical appliance which -
 - (a) is a household type;
 - (b) is self contained; and
 - (c) provides an extra-low-voltage output to supply external appliances or equipment.
18. **“Fan”** - an electrical appliance which –
 - (a) is a household type;
 - (b) has a primary function of moving air in its vicinity; and
 - (c) is self contained;and includes –
 - (d) any associated ancillary equipment
19. **“Fence energizer”** - an electrical appliance which regulates and controls the supply of electrical energy to an electric fence.
20. **“Flexible heating pad”** - an electric 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 0.6m².
21. **“Floor polisher/ scrubber”** - an electrical appliance which –
 - (a) is a household type; and
 - (b) is used to polish or scrub floors.
22. **“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 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.
23. **“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.
24. **“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.
25. **“Hedge clipper”** - an electrical appliance which –
- (a) is for trimming hedges; and
 - (b) is hand held.
26. **“Immersion heater”** - 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.
27. **“Insect electrocutor”** - an electrical appliance which –
- (a) is a household type; and
 - (b) kills insects by the application of electrical energy.
28. **“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.
29. **“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.
30. **“Jug”** - an electrical appliance which –
- (a) is a household type;
 - (b) is for heating water primarily for beverages;
 - (c) is portable;
 - (d) has a body of non-metallic material; and

- (e) incorporates a bare element, electrode element or an unearthed sheathed element.
31. **“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.
32. **“Lawn care appliance”** - an electrical appliance which –
- (a) is a household type; and
 - (b) is for cutting grass or lawn.
33. **“Liquid heating appliance”** - an electrical appliance which –
- (a) is a household type;
 - (b) is for heating liquid;
 - (c) is portable; and
 - (d) has a capacity not exceeding 10L.
34. **“Luminaire – portable type”** - an electrical appliance which –
- (a) is a household type;
 - (b) provides illumination or decoration accompanied by light output;
 - (c) is portable; and
 - (d) is fitted with a supply flexible cord or an appliance inlet; but does not include –
 - (e) a luminaire, portable type, constructed of wood, glass, ceramic, marble, thermosetting insulating material or the like or thermoplastic material which may support the lampholder and does not enclose the lamp and which –
 - (i) has no metal that is required to be earthed or double insulated from live parts; and
 - (ii) is fitted with a sheathed supply flexible cord wired directly (disregarding any cord-line switch) to an individual lampholder; or
 - (f) a luminaire, portable type, constructed of metal and which is fitted with a sheathed supply flexible cord wired directly (disregarding any cord-line switch) to an individual lampholder provided that the supply flexible cord is visible for its entire length.
35. **“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.
36. **“Microwave oven”** - an electrical appliance which –
- (a) is a household or commercial type; and
 - (b) applies heat to food, liquid or other substances in a chamber by means of high-frequency electromagnetic radiation.
37. **“Miniature over-current circuit breaker”** - an electrical device which –
- (a) is an enclosed air-break switch;
 - (b) opens a low voltage circuit automatically under pre-determined 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 4000mm² 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.
38. **“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 one or more socket-outlets;
 - (e) has a rating not exceeding 20 A; and
 - (f) does not incorporate integral pins for insertion into a socket-outlet;
- but does not include –
- (g) a cord extension set.
39. **“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
 - (d) a plug which is within the scope of AS/NZS 3131.
40. **“Projector”** - an electrical appliance which –
- (a) is a household type; and
 - (b) is for projecting an image from a photographic slide or moving film.
41. **“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.
42. **“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.
43. **“Razor/hair clipper”** - an electrical appliance which –
- (a) is a household type; and
 - (b) shaves, cuts or trims human hair.
44. **“Refrigerator/freezer”** - an electrical appliance which –
- (a) is a household type; and
 - (b) cools and stores food.
45. **“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 pre-determined 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.
46. **“Room heater”** - an electrical appliance which –
- (a) is a household type; and
- (b) is for heating, by electrical energy, the atmosphere for comfort purposes;
- 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 temperature of any floor, wall, or ceiling area; or
- (e) an under-carpet heating system.
47. **“Sewing machine”** - an electrical appliance which –
- (a) is a household type; and
- (b) is for stitching fabric or other material.
48. **“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 –
- (e) an outlet within the scope of AS/NZS 3123 or AS/NZS 3131.
49. **“Socket-outlet adaptor”** - electrical device which –
- (a) extends supply from a socket-outlet;
- (b) incorporates one or more integral socket outlets; and
- (c) has integral pins for insertion into a socket outlet.
50. **“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.
51. **“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 2.5mm²; and

- (e) has for other than tinsel cords, individual wire strandings not exceeding -
 - (i) 0.21 mm for conductor sizes up to 1mm²; or
 - (ii) 0.26mm for conductor sizes exceeding 1mm²;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.
52. **“Swimming pool/spa equipment”** - an electrical appliance, device or assembly which-
- (a) is for use in the operation or cleaning of a swimming pool, spa pool or spa bath; or
 - (b) is a combination of devices or appliances used in the operation of a swimming pool, spa pool or spa bath and which may or may not be integral or incorporated with a spa pool or spa bath;
- but does not include –
- (c) such an appliance, device or assembly exclusively promoted for commercial use; or
 - (d) a heat pump.
53. **“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.
54. **“Therapeutic lamp”** - an electrical appliance which –
- (a) is a household type;
 - (b) produces ultraviolet or infra-red radiation for personal, therapeutic or cosmetic purposes; and
 - (c) is portable;
55. **“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.
56. **“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.
57. **“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.
58. **“Washing machine”** - an electrical appliance which –
- (a) is a household type; and
 - (b) is intended for washing clothes and other textile materials.
59. **“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.
60. **“Water heater – pressure storage type”** - an electrical appliance which –
- (a) is for heating and storage of water for bathing, washing, or similar purposes;
 - (b) incorporates a heating element;
 - (c) stores water at a pressure of more than 21 kPa; and
 - (d) has a storage capacity not less than 4.5 L nor more than 680 L.

A person must not on or after 3 May 1999 supply the electrical equipment declared above unless the equipment is approved or certified in accordance with section 57(2) of the **Electricity Safety Act 1998**.

IAN GRAHAM
Chief Electrical Inspector

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Gazette Services

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