

South Australia

## **Energy Products (Safety and Efficiency) Proclamation 2012**

under section 5 of the *Energy Products (Safety and Efficiency) Act 2000*

### **1—Short title**

This proclamation may be cited as the *Energy Products (Safety and Efficiency) Proclamation 2012*.

### **3—Interpretation**

(1) In this proclamation—

*Act* means the *Energy Products (Safety and Efficiency) Act 2000*;

*electrical product* means—

- (a) an electrical appliance or a component of an electrical appliance; or
- (b) an appliance powered by electricity and any combination of other energy sources, or a component of such an appliance; or
- (c) a device used for or in connection with the conveyance of electricity or a component of such a device (including a meter for measuring consumption); or
- (d) an instrument for measuring a characteristic of electricity;

*gas product* means—

- (a) a gas appliance or a component of a gas appliance; or
- (b) an appliance powered by gas and any combination of other energy sources, or a component of such an appliance; or
- (c) a device used in connection with the conveyance of gas or a component of such a device (including a meter for measuring consumption); or
- (d) an instrument for measuring a characteristic of gas.

(2) For the purposes of this proclamation—

- (a) a reference to a standard is, unless the contrary intention appears, a reference to the standard as amended from time to time and, if the standard is substituted, to the subsequent standard; and
- (b) if an interim standard is referenced, a version of a standard that has the same number as the interim standard will be taken to be a later version of the same standard; and
- (c) a reference to a standard includes a reference to any code or standard called up by or under the standard.

#### 4—Corresponding laws

For the purposes of sections 6(1) and 6A(1) and (2) of the Act, each of the following laws is declared to be a corresponding law:

- (a) the *Energy and Utilities Administration Regulation 2006* under the *Energy and Utilities Administration Act 1987* of New South Wales;
- (b) the *Electricity Regulation 2006* under the *Electricity Act 1994* of Queensland;
- (c) the *Petroleum and Gas (Production and Safety) Regulation 2004* under the *Petroleum and Gas (Production and Safety) Act 2004* of Queensland;
- (d) the *Electricity Safety (Equipment Efficiency) Regulations 2009* under the *Electricity Safety Act 1998* of Victoria.

#### 5—Safety and performance standards—electrical products

For the purposes of section 6(1) of the Act—

- (a) subsection (1) applies to each class of electrical product entered in the table below; and
- (b) the standard (or the part of a standard) specified in the entry for a class of electrical product is the applicable safety and performance standard for the electrical product.

<b>Appliance connector</b> , being an electrical device—	Appliance coupler—AS/NZS 60320.1
(a) that is for attachment to a flexible cord; and	Sewing machine appliance coupler—AS/NZS 60320.2.1
(b) that 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,	Interconnection appliance coupler—AS/NZS 60320.2.2

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.

**Arc welding machine**, being an electrical appliance— AS 60974.6

- (a) that is for use in the electric arc welding process; and
- (b) that is for connection to single phase low voltage supply; and
- (c) that is fitted with a flexible cord and plug rated at not more than 16 A; and
- (d) that can easily be moved from one place to another while it is connected to supply; and
- (e) that has, for—
  - (i) gas metal arc welding machines; and
  - (ii) gas tungsten arc welding machines; and
  - (iii) flux cored arc welding machines,a 100% output rating\* not exceeding 65 A,

but does not include an arc welding machine promoted exclusively to industry.

\* 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.

**Bayonet lampholder**, being an electrical device that accommodates a lamp with a bayonet cap of 15 mm or 22 mm nominal diameter, but does not include— AS/NZS 61184 or, until 30 December 2016, AS/NZS 3117

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

**Bayonet lampholder adaptor**, being an electrical device that is for insertion into a B22 bayonet lampholder and— AS 3119

- (a) is for connection to a flexible cord; or
- (b) has 1 or more lampholders.

**Blanket**, being an electrical appliance that— AS/NZS 60335.2.17

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

and includes any associated power supply or controller.

**Bread toaster**, being an electrical appliance that— AS/NZS 60335.2.9

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

- Clothes dryer**, being an electrical appliance that—
- (a) is a household type; and
  - (b) is for drying textile material,
- but does not include a heated towel rail.
- Rotary type—AS/NZS 60335.2.11  
Cabinet type—AS/NZS 60335.2.43 or, until 17 June 2012, AS/NZS 3350.2.43
- Control or conditioning device**, being an electrical device that— AS/NZS 3197
- (a) is a household type; and
  - (b) is for controlling or conditioning the electrical input to electrical apparatus; and
  - (c) is portable; and
  - (d) is self-contained; and
  - (e) connects to supply by means of a flexible cord and plug, appliance inlet or pins for engagement with a socket-outlet.
- Cooking appliance—portable type**, being an electrical appliance that—
- (a) is a household type; and
  - (b) is for cooking or warming food by electrical energy; and
  - (c) is portable.
- Griller, roaster or oven (including breadmaker)—AS/NZS 60335.2.9  
Warming plate and similar—AS/NZS 60335.2.12  
Frying pan, deep fryer or wok—AS/NZS 60335.2.13  
Outdoor barbecue—AS/NZS 60335.2.78 or, until 17 June 2012, AS/NZS 3350.2.78
- Cord extension socket**, being an electrical device that— AS/NZS 3120
- (a) is for attachment to a flexible cord; and
  - (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.
- Cord-line switch**, being an electrical device that— AS/NZS 3127
- (a) is for attachment in a flexible cord; and
  - (b) manually opens and closes an electrical circuit; and
  - (c) has a rating not exceeding 16 A at low voltage,
- but does not include bell push and pendant switches.

**Decorative lighting outfit**, being an electrical appliance that— AS/NZS 60598.2.20

- (a) is for decorative, display or illumination purposes; and
- (b) is portable; and
- (c) consists of—
  - (i) lamps (including Light Emitting Diode "LED" types) or lampholders interconnected by flexible cord of less than 2.5 mm<sup>2</sup> cross-sectional area; or
  - (ii) lamps (including Light Emitting Diode "LED" types) within a flexible enclosure; and
- (d) may be integral with a frame or similar support,

and includes any integral power supply or control device.

**Dishwashing machine**, being an electrical appliance that— AS/NZS 60335.2.5

- (a) is a household type; and
- (b) is for washing eating or cooking utensils.

**Edison screw lampholder**, being an electrical device that accommodates a lamp with an Edison screw cap of 14 mm or 27 mm nominal outside diameter, but does not include— AS/NZS 60238 or AS/NZS 3140

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

**Fan**, being an electrical appliance that— AS/NZS 60335.2.80

- (a) is a household type; and
- (b) has a primary function of moving air in its vicinity; and
- (c) is self-contained,

and includes any associated ancillary equipment.

**Fence energiser**, being an electrical appliance that regulates and controls the supply of electrical energy to an electric fence. AS/NZS 60335.2.76

**Flexible heating pad**, being an electrical appliance that— Foot warmer and foot mat—AS/NZS 60335.2.81 or, until 20 October 2013, AS/NZS 3350.2.81  
Other—AS/NZS 60335.2.17

- (a) is for application of heat to parts of the human body; and
- (b) is in the form of a flexible pad; and
- (c) has a projected area not exceeding 0.6 m<sup>2</sup>.

**Floor polisher/scrubber**, being an electrical appliance that— AS/NZS 60335.2.10 or, until 23 June 2013, AS/NZS 3350.2.10

- (a) is a household type; and
- (b) is used to polish or scrub floors.

- Fluorescent lamp ballast**, being an electrical device that is for controlling the magnitude of current flowing through the discharge path of a fluorescent lamp and that—
- (a) is of the independent or built-in type intended for use with luminaires (portable or fixed); or
  - (b) is of the integral type, rated at 60 W or less, such that it forms a non-replaceable part of a fluorescent lamp/ballast combination; or
  - (c) is of the adaptor type such that it allows the insertion of a fluorescent lamp into the ballast by the user,
- and includes any capacitor incorporated in or supplied with the ballast, but does not include 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.
- Fluorescent lamp starter**, being an electrical device that—
- (a) is for starting preheat type fluorescent lamps; and
  - (b) is a glow-start type; and
  - (c) has an enclosure of insulating material.
- Hair care appliance**, being an electrical appliance that—
- (a) is a household type or a commercial hand-held type; and
  - (b) is for drying, styling or the caring of human hair.
- Hedge clipper**, being an electrical appliance that—
- (a) is for trimming hedges; and
  - (b) is hand held.
- Immersion heater**, being an electrical appliance that—
- (a) is a household type; and
  - (b) is for heating liquid in which it may be immersed; and
  - (c) is self-contained,
- and includes aquarium type immersion heaters.
- Insect electrocutor**, being an electrical appliance that—
- (a) is a household type; and
  - (b) kills insects by the application of electrical energy.
- Inspection handlamp**, being an electrical appliance that—
- (a) is for inspection purposes using illumination; and
  - (b) holds an incandescent or discharge lamp; and
  - (c) is hand held,
- but does not include handlamps with a magnification facility.

Integral (self ballasted lamp) magnetic and electronic types—AS/NZS 60968  
Other magnetic type—AS/NZS 61347.2.8  
Other electronic type—AS/NZS 61347.2.3

AS/NZS 60155

AS/NZS 60335.2.23

AS/NZS 60745.2.15

Aquarium type—AS/NZS 60335.2.55  
Portable (other than aquarium) type—AS/NZS 60335.2.74  
Fixed type—AS/NZS 60335.2.73 or, until 17 June 2012, AS/NZS 3350.2.73

AS/NZS 60335.2.59 or, until 17 June 2012, AS/NZS 3350.2.59

AS/NZS 60598.2.8

- Iron**, being an electrical appliance that—
- (a) is a household type; and
  - (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 any associated equipment.
- Fabric Steamer—AS/NZS  
60335.2.85 or, until  
17 June 2012, AS/NZS  
3350.2.85  
Other—AS/NZS 60335.2.3
- Kitchen machine**, being an electrical appliance that is a household AS/NZS 60335.2.14 type and—
- (a) is for the preparation of food by mechanical means; or
  - (b) is for opening cans; or
  - (c) is for sharpening knives.
- Lawn care appliance**, being an electrical appliance that—
- (a) is a household type; and
  - (b) is for cutting grass or lawn.
- Mower—AS/NZS 60335.2.77  
Trimmer—AS/NZS 60335.2.91  
Grass shears—AS/NZS  
60335.2.94
- Liquid heating appliance**, being an electrical appliance that—
- (a) is a household type; and
  - (b) is portable; and
  - (c) has a capacity not exceeding 10 L; and
  - (d) heats liquid for—
    - (i) humidifying room air; or
    - (ii) use in, or as, a hot beverage; or
    - (iii) cooking.
- Humidifier—AS/NZS  
60335.2.98 or, until  
17 June 2012, AS/NZS  
3350.2.98  
Other—AS/NZS 60335.2.15
- Luminaire**—portable type, being an electrical appliance that—
- (a) is a household type; and
  - (b) provides illumination or produces light for decorative purposes; and
  - (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 outlet; and
  - (d) is for standing on a table or floor, or is fitted with a clamp or similar for attachment to vertical or horizontal surfaces; and
  - (e) is for use with tungsten filament, tubular fluorescent or other discharge lamps; and
  - (f) —
    - (i) 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
    - (ii) has metal parts that are required to be earthed or double insulated from live parts (excluding live parts of an all insulated lampholder).
- Child appealing type (refer to  
Item (f)(i))—AS/NZS  
60598.2.10  
Type fitted with a built-in  
transformer or  
converter—AS/NZS 60598.2.6  
Floodlight—AS/NZS 60598.2.5  
Other—AS/NZS 60598.2.4

- Massage appliance**, being an electrical appliance that— AS/NZS 60335.2.32
- (a) is a household type; and
  - (b) is for massaging the human body; and
  - (c) is portable; and
  - (d) is self-contained.
- Microwave oven**, being an electrical appliance that— AS/NZS 60335.2.25
- (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.
- Miniature over-current circuit breaker**, being an electrical device that— AS/NZS 60898.2 or AS 3111
- (a) is an enclosed air-break switch; and
  - (b) opens a low voltage circuit automatically under pre-determined conditions of over-current; and
  - (c) has a nominal rating not exceeding 125 A; and
  - (d) has either or both of the following:
    - (i) a current breaking capacity up to but not including 10 kA;
    - (ii) a projected panel mounting area not exceeding 4 000 mm<sup>2</sup> per pole,
- but does not include a miniature over-current circuit breaker that is intended and marked as being only for use in industrial application
- Outlet device**, being an electrical device that—
- (a) is a household type; and
  - (b) as its primary function, extends supply from a socket-outlet; and
  - (c) is portable; and
  - (d) incorporates facilities for the insertion of a plug or plugs; and
  - (e) has a rating not exceeding 20 A,
- but does not include a cord extension set.
- Plug**, being an electrical device that— AS/NZS 3112
- (a) makes a detachable connection between the contacts of a socket-outlet and the conductors of a flexible cord; and
  - (b) has 2, 3 or 4 pins for insertion into a socket-outlet; and
  - (c) has a rating not exceeding 20 A,
- but does not include a plug that—
- (d) is within the scope of AS/NZS 3123 and is intended for industrial use; or
  - (e) is within the scope of AS/NZS 3131.

<p><b>Power supply or charger</b>, being an electrical device that—</p> <p>(a) provides an output not exceeding 50 V ac or 120 V ripple free dc; and</p> <p>(b) —</p> <p style="padding-left: 40px;">(i) is a type to provide supply to separate luminaires; or</p> <p style="padding-left: 40px;">(ii) is a household type for either charging batteries or to provide a supply to separate equipment.</p>	<p>Power supply for general use—AS/NZS 61558.2.6</p> <p>Power supply (electronic or ferromagnetic types) designated for use with specific electronic (IT, audio, video) equipment—AS/NZS 60065 or AS/NZS 60950.1</p> <p>Power supply for toys—AS/NZS 61558.2.7</p> <p>Power supply for bells or chimes—AS/NZS 61558.2.8</p> <p>Power supply for lighting purposes—</p> <p style="padding-left: 40px;">—Electronic types:</p> <ul style="list-style-type: none"> <li>• LED driver—IEC 61347.2.13 (a standard published by the International Electrotechnical Commission) and AS/NZS 61347.1</li> <li>• Other—AS/NZS 61347.2.2</li> </ul> <p style="padding-left: 40px;">—Ferromagnetic type: AS/NZS 61558.2.6</p> <p>Power supply for hand lamps—AS/NZS 3350.2.9</p> <p>Battery charger—AS/NZS 60335.2.29</p>
<p><b>Projector</b>, being an electrical appliance that—</p> <p>(a) is a household type; and</p> <p>(b) is for projecting an image from a photographic slide or moving film.</p>	<p>AS/NZS 60335.2.56 or, until 23 June 2013, AS/NZS 3350.2.56</p>
<p><b>Range</b>, being an electrical appliance that—</p> <p>(a) is a household type; and</p> <p>(b) is for cooking food using heat produced by electrical energy; and</p> <p>(c) is stationary.</p>	<p>AS/NZS 60335.2.6</p>
<p><b>Range hood</b>, being an electrical appliance that—</p> <p>(a) is a household type; and</p> <p>(b) collects or filters air (or both); and</p> <p>(c) is for installation above a cooking appliance.</p>	<p>AS/NZS 60335.2.31</p>

- Razor/hair clipper**, being an electrical appliance that— AS/NZS 60335.2.8
- (a) is a household type; and
  - (b) shaves, cuts or trims human hair.
- Refrigerating appliance**, being an electrical appliance that— AS/NZS 60335.2.24
- (a) is a household type; and
  - (b) cools and stores food.
- Residual current device**, being an electrical device that— Without integral overcurrent protection—AS/NZS 3190 or AS/NZS 61008.1  
With integral overcurrent protection—AS/NZS 3190 and AS 3111 or AS/NZS 61009.1
- (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 that exceeds a pre-determined level; and
  - (b) may be fixed or portable; and
  - (c) has a rated residual current not exceeding 300 mA for devices intended for connection to fixed wiring or 30 mA for other devices; and
  - (d) 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—
- (e) a device intended to be used with a particular circuit-breaker other than a miniature overcurrent circuit-breaker; or
  - (f) a device intended to protect an electricity supply authority distribution system; or
  - (g) a device covered by AS 2081 and intended for mines use.
- Room heater**, being an electrical appliance that— Thermal storage type—AS/NZS 60335.2.61 or, until 17 June 2012, AS/NZS 3350.2.61  
Other—AS/NZS 60335.2.30
- (a) is a household type; and
  - (b) is for heating, by electrical energy, for comfort purposes,
- and includes an appliance that accommodates 1 or more heat lamps, but does not include—
- (c) an airconditioning appliance; or
  - (d) a heating system that is intended to heat a room primarily by raising the temperature of any floor, wall or ceiling area; or
  - (e) an under-carpet heating system.
- Sewing machine**, being an electrical appliance that— AS/NZS 60335.2.28 or, until 23 June 2013, AS/NZS 3350.2.28
- (a) is a household type; and
  - (b) is for stitching fabric or other material.

**Socket-outlet**, being an electrical device that— AS/NZS 3112

- (a) is for fixing at a point at which fixed wiring terminates; and
- (b) provides a detachable connection with the pins of a plug; and
- (c) has 2, 3 or 4 contacts; and
- (d) has a rating not exceeding 20 A,

but does not include an outlet within the scope of AS/NZS 3123 or AS/NZS 3131.

**Soldering iron**, being an electrical appliance that— AS/NZS 60335.2.45

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

and includes any integral or associated power supply or controller, but does not include a soldering iron promoted exclusively to industry.

**Supply flexible cord**, being an electrical cord that— All types—AS/NZS 3191

- (a) is unscreened and flexible; and
- (b) is designed for use at low voltage; and
- (c) consists of 2 or 3 elastomer or PVC insulated cores of multistrand construction; and
- (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>,

PVC insulated flexible cord—AS/NZS 60227.5  
Rubber insulated flexible cord—AS/NZS 60245.4

but does not include 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.

**Swimming pool/spa equipment**, being an electrical appliance, device or assembly that— Pump—AS/NZS 60335.2.41  
Spa pool, spa-bath or an appliance intended to circulate air or water in a conventional bath—AS/NZS 60335.2.60 or, until 12 June 2013, AS/NZS 3350.2.60  
Other—AS/NZS 3136

- (a) is a transportable spa pool or transportable spa bath; or
- (b) is for circulating air or water in a conventional bath; or
- (c) 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) such an appliance, device or assembly exclusively promoted for commercial use; or
- (e) a heat pump.

- Television receiver**, being an electrical appliance that— AS/NZS 60065
- (a) is for household use; and
  - (b) is for the display of public or subscription television broadcast; and
  - (c) incorporates a single cathode ray picture tube.
- Therapeutic lamp**, being an electrical appliance that— AS/NZS 60335.2.27
- (a) is a household type; and
  - (b) produces ultraviolet or infra-red radiation for personal, therapeutic or cosmetic purposes; and
  - (c) is portable.
- Tool—portable type**, being an electrical appliance that— Drill—AS/NZS 60745.2.1  
Grinder, polisher and disk type sander—AS/NZS 60745.2.3  
Sander or polisher (other than disk types)—AS/NZS 60745.2.4  
Circular saw—AS/NZS 60745.2.5  
Jig or sabre saw—AS/NZS 60745.2.11  
Chain saw—AS/NZS 60745.2.13  
Planer—AS/NZS 60745.2.14  
Router—AS/NZS 60745.2.17  
Other in AS/NZS 60745 series—AS/NZS 60745.1 and the appropriate AS/NZS 60745 series Part 2  
Other—AS/NZS 3160
- (a) is for machining, drilling, sawing, or surface preparation; and
  - (b) may be entirely supported by hand during operation,
- but does not include a tool—portable type promoted exclusively to industry.
- Vacuum cleaner**, being an electrical appliance that— Hand held garden type—AS/NZS 60335.2.100  
Other—AS/NZS 60335.2.2
- (a) is a household type; and
  - (b) is portable; and
  - (c) removes—
    - (i) dust, dirt or moisture and the like from floor coverings; or
    - (ii) garden refuse from lawns or paths and the like, by suction.
- Wall switch**, being an electrical device that— AS/NZS 3133
- (a) is an air-break switch; and
  - (b) is for connection to the wiring of an electrical installation; and
  - (c) is primarily for mounting on a vertical surface; and
  - (d) is manually opened and manually closed; and
  - (e) has a rating not exceeding 20 A.

- Washing machine**, being an electrical appliance that— AS/NZS 60335.2.7
- (a) is a household type; and
  - (b) is for washing clothes and other textile materials.
- Waterbed heater**, being an electrical appliance that— AS/NZS 60335.2.66
- (a) is for installation under a waterbed envelope; and
  - (b) heats water contained in that envelope,
- and includes any associated control device.
- Water heater**, being an electrical appliance that— Pressure storage—AS/NZS 60335.2.21
- (a) — Instantaneous—AS/NZS 60335.2.35
    - (i) is for heating and storage of water for bathing, washing or similar purposes; and
    - (ii) incorporates a heating element; and
    - (iii) is unvented; and
    - (iv) has a storage capacity not less than 4.5 L nor more than 680 L; or
  - (b) —
    - (i) is for heating water; and
    - (ii) is of the instantaneous type; and
    - (iii) incorporates live parts in contact with water.

## 6—Certification—gas products

For the purposes of section 6(2) of the Act—

- (a) subsection (2) applies to each of the following classes of gas products:
  - (i) domestic gas cooking appliances within the meaning of AS 4551, including—
    - (A) freestanding cookers;
    - (B) elevated cookers;
    - (C) built-in cookers and ovens;
    - (D) wall ovens;
    - (E) hotplates;
    - (F) counter top cookers;
    - (G) caravan and marine cookers;
  - (ii) gas fired water heaters for hot water supply and/or central heating within the meaning of AS 4552, including—
    - (A) storage water heaters;
    - (B) gas boosted solar water heaters;
    - (C) instantaneous water heaters;
    - (D) boilers (central heating and/or water heating);

- (iii) gas space heating appliances within the meaning of AS 4553, including—
  - (A) flued radiant/convection heaters;
  - (B) balanced flue convection heaters;
  - (C) wall furnaces;
  - (D) flueless radiant/convection heaters;
  - (E) flueless convection heaters;
  - (F) miscellaneous heaters;
- (iv) gas laundry dryers within the meaning of AS 4554;
- (v) domestic gas refrigerators within the meaning of AS 4555 (formerly AG 105 published by the Australian Gas Association);
- (vi) indirect gas-fired ducted air-heaters within the meaning of AS 4556, including—
  - (A) ducted heaters;
  - (B) duct and unit heaters;
- (vii) domestic outdoor gas barbecues within the meaning of AS 4557;
- (viii) decorative gas log and other fuel effect appliances within the meaning of AS 4558, including—
  - (A) gas log fires;
  - (B) indoor gas lights;
  - (C) exterior gas lights;
- (ix) gas pool heaters within the meaning of AS 4560;
- (x) overhead radiant tube gas heaters within the meaning of AS 4643;
- (xi) LPG mobile industrial direct-fired air heaters within the meaning of AS 5262;
- (xii) radiant gas heaters for outdoor and non-residential indoor use within the meaning of AS 4565;
- (xiii) commercial catering gas equipment within the meaning of AS 4563, including—
  - (A) boiling tables (open and closed top);
  - (B) Chinese cooking tables;
  - (C) ranges;
  - (D) salamanders, grillers and toasters;
  - (E) solid grill plates and griddles;
  - (F) barbecues, charbroilers and rotisseries;
  - (G) ovens;
  - (H) boiling water units;

- (I) stockpots and brat pans;
- (J) atmospheric steamers;
- (K) fryers;
- (L) pasta cookers and rethermalisers;
- (M) food warmers, including bains marie;
- (xiv) LP Gas portable and mobile appliances within the meaning of AS 2658, including—
  - (A) equipment for use with refillable cylinders:
    - cookers, ring burners and barbecues;
    - space heaters;
    - water heaters;
    - camping lanterns;
  - (B) equipment for use with disposable cartridges:
    - cookers and barbecues;
    - miscellaneous;
- (xv) manual shut off gas valves within the meaning of AS 4617, including—
  - (A) Type 1—isolating valves;
  - (B) Type 2—appliance control valves;
  - (C) Type 2—appliance control valves combined with flame safeguards;
  - (D) Type 2—miscellaneous valves;
- (xvi) gas appliance regulators within the meaning of AS 4618;
- (xvii) gas appliance thermostats within the meaning of AS 4619;
- (xviii) thermoelectric flame safeguards within the meaning of AS 4620;
- (xix) regulators for use with liquefied petroleum (vapour phase) within the meaning of AS 4621;
- (xx) electrical and electronic ignition devices for gas appliances within the meaning of AS 4622;
- (xxi) jointing compounds and materials for use in gas pipe joints within the meaning of AS 4623, including—
  - (A) jointing compounds;
  - (B) jointing materials;
- (xxii) combination controls for gas within the meaning of AS 4624, including—
  - (A) Class 1 to AS 4629;
  - (B) Class 2 to AS 4629;

- (C) Class 3 to AS 4629;
- (xxiii) electronic flame safeguards and flame detectors within the meaning of AS 4625;
- (xxiv) quick-connect devices for gas within the meaning of AS 4627;
- (xxv) pressure and temperature limit devices for use with gas burners within the meaning of AS 4628;
- (xxvi) automatic shutoff valves and vent valves within the meaning of AS 4629, including—
  - (A) Class 1;
  - (B) Class 2;
  - (C) Class 3;
- (xxvii) leakage detection systems within the meaning of AS 4630;
- (xxviii) limited flexibility connectors for gas within the meaning of AS 4631;
- (xxix) over-pressure and under-pressure cut off devices within the meaning of AS 4632;
- (xxx) flue cowls (gas appliances) within the meaning of AS 4566;
- (xxxi) twin wall metal flues (gas appliances) within the meaning of AS 4567;
- (xxxii) LP Gas fuel systems for vehicle engines within the meaning of AS/NZS 1425;
- (xxxiii) hose and hose assemblies for liquefied petroleum gases (LP Gas), natural gas and town gas within the meaning of AS/NZS 1869;
- (xxxiv) automatic gas burner control systems for gas burners and gas burning appliances with or without fans within the meaning of BS EN 298 (a British and European Standard published by the British Standards Institution);
- (b) each of the following bodies is a certification body for the classes of gas products:
  - The Australian Gas Association (ABN 98 004 206 044)
  - Global-Mark Pty Ltd (ABN 55 108 087 654)
  - IAPMO R&T OCEANA Pty Ltd (ABN 78 121 986 169)
  - SAI Global Limited (ABN 050 611 642)
  - Vipac Engineers and Scientists Limited (ABN 33 005 453 627)

## **7—Energy performance registration—electrical products**

For the purposes of section 6A(1) of the Act—

- (a) subsection (1) applies to each class of electrical product entered in the table below; and
- (b) the standard (or the part of a standard) specified in the entry for a class of electrical product is the applicable energy performance standard for the class.

**Air-conditioner—close control**, being a unitary air-conditioner AS/NZS 4965.2 that—

- (a) is designed for high sensible heat ratio applications; and
- (b) is capable of maintaining close control of both temperature and humidity; and
- (c) consists of 1 or more factory-made assemblies that—
  - (i) includes a compressor, direct expansion evaporator, air-moving device and air-filtering device; and
  - (ii) may include a condenser, humidifier or reheating function.

**Air-conditioner—refrigerative, single phase non-ducted**, being AS/NZS 3823.2 an electrical appliance that—

- (a) is intended for connection to a low voltage electrical supply; and
- (b) is a single-phase non-ducted type; and
- (c) is designed to deliver—
  - (i) cooled air; or
  - (ii) cooled air or heated air,to an enclosed space, room or zone; and
- (d) consists of electromechanical mechanisms that operate on the vapour-compression principle; and
- (e) has a cooling capacity not greater than 65 kW.

**Air-conditioner—refrigerative, other types**, being an electrical AS/NZS 3823.2 appliance that—

- (a) is intended for connection to a low voltage electrical supply; and
- (b) is not a single-phase non-ducted type; and
- (c) is designed to deliver—
  - (i) cooled air; or
  - (ii) cooled air or heated air,to an enclosed space, room or zone; and
- (d) consists of electromechanical mechanisms that operate on the vapour-compression principle; and
- (e) has a cooling capacity not greater than 65 kW.

**Distribution transformer**, being an electrical device that— AS/NZS 2374.1.2

- (a) is for stepping down electricity supply from high voltage to low voltage; and
- (b) is of the dry type or oil-immersed type; and
- (c) operates on 3 phase or single phase; and
- (d) has a power rating from 10 kVA to 2 500 kVA and system highest voltage up to 24 kV; and
- (e) is intended for 11 kV or 22 kV networks.

**ELC**, or **ELV lighting converter** (also known as a *magnetic isolating transformer* or an *electronic step-down converter*) being an electrical device that— AS/NZS 4879.2

- (a) has an input from mains supply (usually 115 V/60 Hz, 230 V/50 Hz, 240 V/50 Hz or a range including some or all of those input conditions); and
- (b) is intended for use with ELV (extra low voltage) lamps with a single voltage output (either ac or dc) not exceeding 50 V; and
- (c) has a power rating not exceeding 500 VA.

**Electric motor—3 phase**, being a 3 phase electric motor with a capacity between 0.73 kW and 185 kW. AS/NZS 1359.5

**External power supply**, being an electrical device that— AS/NZS 4665.2

- (a) has an input from mains supply (usually 115 V/60 Hz, 230 V/50 Hz, 240 V/50 Hz or a range including some or all of those input conditions); and
- (b) has 1 extra low voltage output (either ac or dc) that is either at a fixed voltage or user selectable through a selector switch; and
- (c) is sold with, or intended to be used with, a separate end-use product that constitutes the primary load; and
- (d) is contained in a separate physical enclosure from the end-use product (that is, the housings of the power supply and its associated product are different, not their retail packaging); and
- (e) is connected to the end use product via a hard-wired or removable male/female electrical connection, cable, cord or other wiring; and
- (f) does not have batteries or battery packs that physically attach directly to the power supply unit (including those that are removable, for example, a battery pack for a portable electric drill); and
- (g) does not have a battery chemistry or type selector switch and an indicator light or state of charge meter,

but does not include an appliance of the type referred to in clause 1.2 of AS/NZS 4665.2.

**Fluorescent lamp ballast**, being an electrical device of ferromagnetic or electronic construction for controlling the magnitude of current flowing through the discharge path of a fluorescent lamp with a rated power of between 15 W and 70 W and that— AS/NZS 4783.2

- (a) is of the independent or built-in type intended for use with luminaires (portable or fixed); or
- (b) is of the adaptor type allowing the insertion of a fluorescent lamp into the ballast by the user,

and includes any capacitor incorporated in or supplied with the ballast, but does not include an integral type ballast forming a non-replaceable part of a fluorescent lamp.

**Freezer**, being an electrical appliance— AS/NZS 4474.2

- (a) intended or sold for domestic use (other than camping); and
- (b) that—
  - (i) is a self-contained assembly consisting of a cabinet intended for the storage and preservation of foodstuffs at a temperature below 0° Celsius; and
  - (ii) has an electrically powered refrigerating unit operating at low voltage arranged to extract heat from within the cabinet.

**Incandescent lamp**, being—

AS/NZS 4934.2

- (a) a GLS (general lighting service) incandescent lamp with a nominal voltage of 220 V or more, a nominal wattage of less than 150 W and with the attributes set out in clause 1.1.2 of the standard, but not including a primary coloured lamp; or
- (b) an ELV (extra low voltage) halogen non-reflector type lamp (a gas filled lamp containing halogens or halogen compounds) with a filament consisting of tungsten, a nominal voltage of between 5 and 14 V inclusive and with the attributes set out in clause 1.1.3 of the standard; or
- (c) a candle lamp with a nominal voltage exceeding 220 V, a nominal wattage greater than 40 W and with the attributes set out in clause 1.1.4 of the standard, but not including a primary coloured lamp; or
- (d) a fancy round lamp with a nominal voltage exceeding 220 V, a nominal wattage greater than 40 W and with the attributes set out in clause 1.1.5 of the standard, but not including a primary coloured lamp; or
- (e) a decorative lamp with a nominal voltage exceeding 220 V, a nominal wattage greater than 40 W and with the attributes set out in clause 1.1.6 of the standard, but not including a primary coloured lamp or a pilot lamp; or
- (f) a mains voltage halogen non-reflector type lamp with a filament consisting of tungsten, a nominal voltage exceeding 220 V, and with the attributes set out in clause 1.1.7 of the standard, but not including a primary coloured lamp; or
- (g) an ELV (extra low voltage) halogen reflector type lamp with a nominal voltage of between 5 and 24 V inclusive and with the attributes set out in clause 1.1.8 of the standard,

but does not include a lamp of the type referred to in clause 1.2 of the standard.

**Linear fluorescent lamp**, being an electrical device that—

AS/NZS 4782.2

- (a) is for general illumination; and
- (b) is of the double-capped (FD or FDH) tubular type; and
- (c) is of a nominal length of 550 mm to 1 500 mm; and
- (d) has a nominal lamp wattage of 16 W or more; and
- (e) is for use in luminaires and with lamp ballasts connected to a 230 V 50 Hz single phase or similar mains supply or for use only with high frequency (electronic) ballasts.

**Liquid-chilling package**, being electrical equipment that— AS/NZS 4776.2

- (a) has a cooling capacity of 350 kW or more; and
- (b) is a factory made and prefabricated assembly (not necessarily shipped as 1 package); and
- (c) has 1 or more compressors, condensers and evaporators; and
- (d) has interconnections and accessories; and
- (e) is designed for the purpose of cooling water; and
- (f) is specifically designed to make use of a vapour compression refrigeration cycle to remove heat from water and reject the heat to a cooling medium, usually air or water.

**Refrigerated display cabinet**, being an electrical device that— AS/NZS 1731.14

- (a) is a cabinet cooled by a refrigerating system; and
- (b) is for use in the display or sale of foodstuffs and beverages; and
- (c) enables chilled or frozen foodstuffs and beverages placed in the cabinet to be maintained within certain temperature limits; and
- (d) is of the remote or self-contained type.

**Refrigerator**, being an electrical appliance— AS/NZS 4474.2

- (a) intended or sold for domestic use (other than camping); and
- (b) that—
  - (i) is a self-contained assembly consisting of a cabinet intended for the storage and preservation of foodstuffs at a temperature above 0° Celsius; and
  - (ii) has an electrically powered refrigerating unit operating at low voltage arranged to extract heat from within the cabinet.

**Refrigerator-freezer**, being an electrical appliance— AS/NZS 4474.2

- (a) intended or sold for domestic use (other than camping); and
- (b) that is a self-contained assembly consisting of 2 or more cabinets or a cabinet with 2 or more compartments—
  - (i) 1 of which is intended for the storage and preservation of foodstuffs at a temperature above 0° Celsius; and
  - (ii) 1 of which is intended for the storage and preservation of foodstuffs at a temperature below 0° Celsius; and
- (c) that has an electrically powered refrigerating unit operating at low voltage arranged to extract heat from within the cabinet.

**Self-ballasted compact fluorescent lamp**, being an electrical device that— AS/NZS 4847.2

- (a) is unable to be dismantled without being permanently damaged; and
- (b) is provided with a lamp cap; and
- (c) incorporates a light source and any additional elements necessary for starting and stable operation of the light source,

commonly referred to as a CFLi (compact fluorescent lamp with integral ballast)—see section 3.31 AS 4847.1.

**Set top box**, being an electrical appliance that is used to convert digital television signals to a signal compatible with the existing audiovisual display technology, including the following: AS/NZS 62087.2.1

- (a) analogue radio frequency;
- (b) composite video;
- (c) super video;
- (d) component video;
- (e) digital interface;
- (f) high definition multimedia interface,

but does not include an appliance of the type referred to in clause 1.2 of AS/NZS 62087.2.1.

**Television set**, being an electrical appliance for the display and possible reception of television broadcast and similar services for terrestrial, cable, satellite and broadband network transmission of analogue and/or digital signals. AS/NZS 62087.2.2

**Water heater**, being an electrical appliance to which Part 2 of AS/NZS 4692 applies according to its terms. AS/NZS 4692.2

## 8—Energy performance registration—gas products

For the purposes of section 6A(1) of the Act—

- (a) subsection (1) applies to each class of gas products entered in the table below; and
- (b) the standard (or the part of a standard) specified in the entry for a class of gas products is the applicable energy performance standard for the class.

**Water heater**, being a gas appliance intended for use with natural gas, liquefied petroleum gas (LPG) and simulated natural gas (SNG) up to a nominal gas consumption of 50 MJ/h for storage types and 250 MJ/h for instantaneous types, but does not include an appliance of the type referred to in clause 1.2 of AS/NZS 4552.2. AS/NZS 4552.2

## 9—Energy efficiency labelling—electrical products

For the purposes of section 6A(2) of the Act—

- (a) subsection (2) applies to the following classes of electrical products; and

- (b) the standard (or the part of a standard) specified in the entry for a class of electrical products is the applicable energy efficiency labelling standard for the class.

**Air-conditioner—refrigerative, single phase non-ducted** (within AS/NZS 3823.2 the meaning of clause 7)

**Clothes dryer**, being an electrical appliance— AS/NZS 2442.2

- (a) intended—
- (i) for household and similar use; and
  - (ii) for drying household textile material washed by water; and
- (b) designed to operate at low voltage; and
- (c) that operates with a rotary or tumbling action.

**Dishwashing machine**, being an electrical appliance— AS/NZS 2007.2

- (a) intended—
- (i) for household and similar use; and
  - (ii) for washing eating and cooking utensils; and
- (b) designed to operate at low voltage.

**Fluorescent lamp ballast** (within the meaning of clause 7) AS/NZS 4783.2

**Freezer** (within the meaning of clause 7) AS/NZS 4474.2

**Refrigerator** (within the meaning of clause 7) AS/NZS 4474.2

**Refrigerator-freezer** (within the meaning of clause 7) AS/NZS 4474.2

**Television set** (within the meaning of clause 7) AS/NZS 62087.2.2

**Washing machine**, being an electrical appliance— AS/NZS 2040.2

- (a) intended—
- (i) for household and similar use; and
  - (ii) for washing clothes, household fabrics and the like; and
- (b) designed to operate at low voltage.

## Legislative history

### Notes

- Variations of this version that are uncommenced are not incorporated into the text.
- For further information relating to the Act and subordinate legislation made under the Act see the Index of South Australian Statutes or [www.legislation.sa.gov.au](http://www.legislation.sa.gov.au).

### Legislation repealed

The *Energy Products (Safety and Efficiency) Proclamation 2012* repealed the following:

*Electrical Products (Part 2 Declarations) Proclamation 2004*

### Principal proclamation and variations

New entries appear in bold.

	Reference	Commencement
s 5	<i>Gazette 10.5.2012 p1683</i>	10.5.2012: cl 2
<b>s 5(2)</b>	<b><i>Gazette 5.11.2015 p4858</i></b>	<b>5.11.2015: cl 2</b>
s 5(2)	<i>Gazette 15.12.2016 p4992</i>	27.1.2017: cl 2

### Provisions varied

New entries appear in bold.

Provision	How varied	Commencement
cl 2	<i>omitted under Legislation Revision and Publication Act 2002</i>	5.11.2015
cl 6	varied by 5.11.2015 p4858 cl 4	5.11.2015
<i>Sch 1</i>	<i>omitted under Legislation Revision and Publication Act 2002</i>	5.11.2015