

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Amendment No. 2
to
AS/NZS 4417.2:2012
Regulatory compliance mark
for electrical and electronic equipment –
Part 2: Specific requirements for particular regulatory applications**

Revised text

The 2012 edition of AS/NZS 4417.2 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: This amendment applies to Preface, B.2, B.3 and Table B.4.

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The amendment to B.2.30, B.2.57, B.2.58, B.2.59, B.2.60, B.2.61, B.3.1, B.3.11, B.3.12, B.3.13, B.3.14, B.3.15, and Table B.4 takes effect 12 months from the date of publication. All other parts of the amendment take effect from the date of publication.

Preface

Replace the first sentence of the third paragraph by the following:

This Standard incorporates Amendment No. 1 (April 2013) and Amendment No. 2 (January 2016).

Annex B

B.2 COMBINED AUSTRALIAN AND NEW ZEALAND EQUIPMENT REGULATORY DEFINITIONS

B.2.8 *Replace the class specification by the following:*

AS/NZS 3197 (withdrawal date 28 April 2016) or AS/NZS 3105

B.2.12 *In the term definition item (c)(i) and item (c)(ii) replace lamps, (including light emitting Diode “LED” types) by electric light sources*

B.2.17 *Delete AS/NZS 3350.2.81 (withdrawal date 20 October 2013) or from the class specification.*

B.2.18 *Delete AS/NZS 3350.2.10 (withdrawal date 23 June 2013) or from the class specification.*

B.2.20 *Replace the class specification by the following:*

AS/NZS 60155 (Section 1)

B.2.25 *Replace item (b) in the term definition by the following:*

(b) contains an electric light source; and

B.2.28 *Add the following to the class specification:*

Robotic lawn mower - AS/NZS 60335.2.107

B.2.30 *Replace the term definition by the following:*

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An electrical appliance that—

- (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-outlet;
- (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 electric light sources; 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 that are required to be earthed or double insulated from live parts (excluding live parts of an all insulated lampholder).

But does not include—

- (h) a simple luminaire - portable type

B.2.35 Add or AS/NZS 60884.1 after AS/NZS 3112

B.2.36 In the term definition add the following item:

but does not include—

- (d) Information Technology and Audio Visual equipment that can use the output to also transmit data that is not associated with a power supply or charger function

In the class specification replace

LED driver—IEC 61347.2.13 (Annex I) and AS/NZS 61347.1

by the following:

Light emitting semiconductor driver — AS/NZS 61347.2.13

After AS/NZS 60065 or AS/NZS 60950.1 add (these standards cannot be used as substitutes for other power supplies listed in the class specification)

B.2.37 Delete AS/NZS 3350.2.56 (withdrawal date 23 June 2013) or from the class specification.

B.2.38 Replace the class specification by the following:

Fixed outdoor barbecue – AS/NZS 60335.2.78

Other – AS/NZS 60335.2.6

B.2.44 Delete AS/NZS 3350.2.28 (withdrawal date 23 June 2013) or from the class specification.

B.2.48 Delete AS/NZS 3350.2.60 (withdrawal date 12 June 2013) or from the class specification.

B.2.51 In the class specification:

Add the following new items:

Hand-held screwdrivers and impact wrenches – AS/NZS 60745.2.2 (withdrawal date 26 June 2018) or AS/NZS 62841.2.2

Hand-held tappers and threaders – AS/NZS 60745.2.9 (withdrawal date 30 November 2018) or AS/NZS 62841.2.9

Replace AS/NZS 60745.2.4 by AS/NZS 60745.2.4 (withdrawal date 26 June 2018) or AS/NZS 62841.2.4.

Replace AS/NZS 60745.2.5 by AS/NZS 60745.2.5 (withdrawal date 26 June 2018) or AS/NZS 62841.2.5.

In the class specification entry starting "Other in AS/NZS 60745 series....." add at the end "or AS/NZS 62841.1 plus the appropriate AS/NZS 62841 series Part 2"

Add the following new items:

B.2.57 Air conditioner incorporating flammable refrigerant

An electrical appliance that—

- (a) is for household use; and
- (b) incorporates motor compressors; and
- (c) is an electrical appliance designed to provide delivery of conditioned air to an enclosed space, room or zone; and
- (d) includes a refrigeration system for cooling, heating or dehumidifying the air, including hydronic room fan coil type systems; and
- (e) is portable, transportable or fixed; and
- (f) uses refrigerant having a flammability classification of Class 2 or Class 3 in accordance with ISO 817. For refrigerant blends that have more than one flammability classification, the most unfavourable classification is taken.

Class specification:

AS/NZS 60335.2.40

B.2.58 Air conditioner incorporating non-flammable or low flammable refrigerant

An electrical appliance that—

- (a) is for household use; and
- (b) incorporates motor compressors; and
- (c) is an electrical appliance designed to provide delivery of conditioned air to an enclosed space, room or zone; and
- (d) includes a refrigeration system for cooling, heating or dehumidifying the air, including hydronic room fan coil type systems; and
- (e) is portable, transportable or fixed; and
- (f) uses a refrigerant having a flammability classification of Class 1 or Class 2L in accordance with ISO 817. For refrigerant blends that have more than one flammability classification, the most unfavourable classification is taken.

Note For example if a refrigerant blend has a flammability classification of A2/A2L then the blend is considered to be a flammable refrigerant and the appliance is as described in B.2.57.

Class specification:

AS/NZS 60335.2.40

B.2.59 Building wiring cable

An electric cable that—

- (a) has 1–5 conductors of stranded or solid cores of copper conductors;
- (b) has an insulated and laid up flat or circular configuration;
- (c) is sheathed or unsheathed insulated cable;

- (d) is intended for use at a rated voltage of between 200 and 250 V, single phase, or between 350 and 450 V, multi-phase, rms, a.c., between conductors or to earth;
 - (e) is intended for use in buildings or similar structures; and
 - (f) has a nominal cross-sectional area per conductor from 0.5 mm² to 16 mm²;
- but does not include—
- (g) armoured, metallic screened and metal sheathed cables.

Class specification:

For working voltages up to 0.6/1 (1.2) kV—AS/NZS 5000.1

For working voltages up to 450/750 V—AS/NZS 5000.2

B.2.60 Double capped light emitting semiconductor lamp

An electrical appliance that—

- (a) is a tubular light emitting semiconductor light source;
- (b) is a double capped lamp; and
- (c) has integral, built-in or independent control gear

but does not include—

- (d) a self-ballasted light emitting semiconductor light source within the scope of AS/NZS IEC 62560

Class specification:

AS/NZS 60598.2.1 Appendix A

B.2.61 Simple portable luminaire

A portable luminaire, in which the supply flexible cord (including any associated cord line switch) is terminated to a single lampholder that is mounted on a non-flexible, non-articulated stem in which the cord may be enclosed, that—

- (a) only includes one or more of the following components that comply with the relevant Standards:

Edison screw lampholder to accommodate screw cap of 14 mm or 27 mm nominal outside diameter or bayonet cap lampholder that accommodates a lamp with a bayonet cap of 15 mm or 22 mm nominal diameter, a cord line switch, supply flexible cord and plug; and

- (b) is for use with light sources that have bases for insertion into E27, E14, B15 or B22 lampholders; and
- (c) is of the ordinary type for indoor use only;

but does not include—

- (d) a transformer;
- (e) a dimmer or touch controls or other electronic devices or portable luminaires of type covered in AS/NZS 60598.2.8 and 60598.2.10.

Class specification:

AS/NZS 60598.2.4 or AS/NZS 60598.2.4 Annex ZA

B.3 ADDITIONAL NEW ZEALAND REGULATORY DEFINITIONS

B.3.1 *Delete definition B.3.1 and its associated text*

B.3.4 *Replace the item (c) in the term definition by the following:*

(c) is for use with an electric light source; and

In the term definition, replace

It does not include—

An electrical device that is intended to produce light for illumination purposes in commercial or industrial application

By

but does not include—

(e) an electrical device that is intended to produce light for illumination purposes in commercial or industrial application;

(f) an extra Low Voltage light fitting.

B.3.8 *Replace the term definition and class specification by the following:*

A battery operated electrical appliance that—

(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:

AS/NZS 60745 series of standards or AS/NZS 62841.1 plus the appropriate AS/NZS 62841 series Part 2

Add the following new definitions.

B.3.11 Extra low voltage light fitting

An electrical device that—

(a) is intended to produce light for illumination purposes in domestic or similar applications;

(b) has a rating up to and including 500 W;

(c) is for use with an electric light source; and

(d) may also incorporate automatic controls, such as passive infrared motion detectors.

but does not include—

(e) an electrical device that is intended to produce light for illumination purposes in commercial or industrial applications;

(f) a low voltage light fitting.

Class specification:

AS/NZS 60598.2.1, AS/NZS 60598.2.2 or IEC 61347-2-13 as appropriate

B.3.12 Lithium-ion/ polymer battery

A secondary battery that—

(a) is for portable applications;

(b) incorporates a lithium-ion negative electrode system;

- (c) incorporates one or more secondary lithium cells and which is ready for use;
- (d) incorporates adequate housing and a terminal arrangement;
- (e) may incorporate electronic control devices.

Class specification:

IEC 62133

B.3.13 Glue gun

An electrical appliance that—

- (a) is a household type;
 - (b) is hand held;
 - (c) is for melting and applying sticks of solid adhesive;
- but does not include—
- (d) a glue gun promoted exclusively to industry.

Class specification:

AS/NZS 60335.2.45

B.3.14 DC Isolator

An electrical device that—

- (a) is an air-break dc rated isolator; and
- (b) is for connection to the wiring of a household photovoltaic (PV) electrical installation, other household energy installation, or household energy storage installation.

Class specification:

AS/NZS IEC 60947.3 or IEC 60947-3

B.3.15 Nightlight - mains socket-outlet mounted

An electrical appliance that—

- (a) is a household type;
 - (b) incorporates integral pins for insertion into a socket outlet;
 - (c) is intended to provide a source of low-level illuminance in areas not normally illuminated at night;
- but does not include—
- (d) other appliances with indicator lamps

Class specification:

Standard AS/NZS 60598.2.12

Table B.4

Replace table B.4 by the following:

Table B.4 – Australian and New Zealand Equipment Risk Classifications

Ref #	Article	AU Level 3	NZ Level 3	AU Level 2	NZ Level 2
B.2.1	Appliance connector	X	X		X
B.2.2	Arc welding machine	X	X		X
B.2.3	Bayonet lampholder	X			X
B.2.4	Bayonet lampholder adaptor	X	X		X
B.2.5	Blanket	X	X		X
B.2.6	Bread toaster	X	X		X
B.2.7	Clothes dryer	X	X		X
B.2.8	Control or conditioning device	X			X
B.2.9	Cooking appliance—portable type	X	X		X
B.2.10	Cord extension socket	X	X		X
B.2.11	Cord-line switch	X	X		X
B.2.12	Decorative lighting outfit	X	X		X
B.2.13	Dishwashing machine	X	X		X
B.2.14	Edison screw lampholder	X			X
B.2.15	Fan	X	X		X
B.2.16	Fence energizer	X	X		X
B.2.17	Flexible heating pad	X	X		X
B.2.18	Floor polisher/scrubber	X			X
B.2.19	Fluorescent lamp ballast	X			X
B.2.20	Fluorescent lamp starter	X			X
B.2.21	Hair care appliance	X	X		X
B.2.22	Hedge clipper	X			X
B.2.23	Immersion heater	X	X		X
B.2.24	Insect electrocutor	X	X		X
B.2.25	Inspection handlamp	X	X		X

Ref #	Article	AU Level 3	NZ Level 3	AU Level 2	NZ Level 2
B.2.26	Iron	X			X
B.2.27	Kitchen machine	X	X		X
B.2.28	Lawn care appliance	X	X		X
B.2.29	Liquid heating appliance	X	X		X
B.2.30	Luminaire—portable type	X	X		X
B.2.31	Massage appliance	X	X		X
B.2.32	Microwave oven	X	X		X
B.2.33	Miniature overcurrent circuit breaker	X	X		X
B.2.34	Outlet device	X	X		X
B.2.35	Plug	X	X		X
B.2.36	Power supply or charger	X	X		X
B.2.37	Projector			X	X
B.2.38	Range	X			X
B.2.39	Range hood	X			X
B.2.40	Razor/hair clipper	X			X
B.2.41	Refrigerating appliance	X			X
B.2.42	Residual current device	X	X		X
B.2.43	Room heater	X	X		X
B.2.44	Sewing machine			X	X
B.2.45	Socket-outlet	X	X		X
B.2.46	Soldering iron	X	X		X
B.2.47	Supply flexible cord	X	X		X
B.2.48	Swimming pool or spa equipment	X	X		X
B.2.49	Television receiver	X			X
B.2.50	Therapeutic lamp	X			X
B.2.51	Tool—portable type	X	X		X
B.2.52	Vacuum cleaner	X			X

Ref #	Article	AU Level 3	NZ Level 3	AU Level 2	NZ Level 2
B.2.53	Wall switch	X	X		X
B.2.54	Washing machine	X	X		X
B.2.55	Water bed heater	X			X
B.2.56	Water heater	X	X		X
B.2.57	Air conditioner incorporating flammable refrigerant	X			X
B.2.58	Air conditioner incorporating non-flammable or low flammable refrigerant			X	X
B.2.59	Building wiring cable	X			X
B.2.60	Double capped light emitting semiconductor lamp	X			
B.2.61	Simple portable luminaire		X	X	X
B.3.2	Cord extension set				X
B.3.3	Touch dimmer				X
B.3.4	Light fitting				X
B.3.5	Drive for garage doors for residential use				X
B.3.6	Drive for horizontally and vertically moving gates, doors and windows				X
B.3.7	Battery operated fence energizer				X
B.3.8	Battery operated tool – portable type				X
B.3.9	Electrically operated toy				X
B.3.10	Appliances for skin exposure to ultraviolet radiation				X
B.3.11	Extra low voltage light fitting				X
B.3.12	Lithium-ion/ polymer battery				X
B.3.13	Glue gun				X
B.3.14	DC Isolator				X
B.3.15	Nightlight - mains socket-outlet mounted				X

NOTE In New Zealand a level 3 item of equipment is also classified as a level 2 item of equipment to comply with New Zealand Electricity (Safety) Regulations for the issuance of a Supplier Declaration of Conformity.