



# Explanatory notes for the approval and sale of electrical articles in New South Wales

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# 1 Overview

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## 1.1 Introduction

NSW Fair Trading regulates the sale of electrical articles in New South Wales. It has dual roles in relation to electrical articles, being:

- (a) an approval body that can approve an electrical article as being compliant to sell and
- (b) only compliant electrical articles are sold or available for sale in the marketplace

This document provides information about the sale of electrical articles in New South Wales, outlines the responsibilities of those selling electrical articles in New South Wales and provides instructions on the process to obtain approval for the sale of electrical articles.

## 1.2 Legislation

The predominant laws applying to the sale of electrical articles in New South Wales are the *Gas and Electricity (Consumer Safety) Act 2017* and the *Gas and Electricity (Consumer Safety) Regulation 2018*. All Fair Trading legislation can be found at [www.legislation.nsw.gov.au](http://www.legislation.nsw.gov.au).

Sellers of electrical articles to consumers are also subject to the Australian Consumer Law (ACL) ([Australian Consumer Law](#)). The ACL is contained in Schedule 2 of the *Competition and Consumer Act 2010* and came into effect on 1 January 2011 nationally and as a law of each State and Territory. The ACL provides a single national consumer law, which is jointly enforced by the Australian Competition and Consumer Commission (ACCC) and state and territory consumer protection agencies. Electrical articles are covered by the ACL consumer guarantees as long as they are sold in trade or commerce and bought by a consumer, as defined under the Act. Under the ACL, there are nine guarantees that apply to goods. These include that suppliers and manufacturers guarantee goods are reasonably fit for any purpose specified and are of acceptable quality when sold to a consumer, including that the goods are safe and free from defects.



## 1.3 Declared and non-declared electrical articles

In New South Wales electrical articles are divided into two groups – declared and non-declared, according to consumer safety risks. There are different requirements for the sale of declared and non-declared articles.

Declared articles are those that require approval before sale. In order to obtain an approval, the article must be tested by an accredited lab and be shown to be compliant to the relevant safety standards and compliance verified by NSW Fair Trading or a body approved by NSW Fair Trading. The relevant safety standards are detailed in the back of this document.

Non-declared articles do not require approval before sale but are required to comply with AS/NZS 3820.

### 1.3.1 What is a declared article?

There are 65 classes of electrical articles classified as declared articles. Declared articles are those that are typically found in residential homes or are articles which are used frequently by consumers. Examples include dishwashers, hairdryers, room heaters power points, washing machines, and sewing machines. The list of declared articles is regularly reviewed to take into account emerging new technology. In accordance with the Gas and Electricity (Consumer Safety) Act, declared electrical articles are published in the NSW Gazette. A full list of declared articles, together with their definitions and associated Australian safety standards are attached.

### 1.3.2 What is a non-declared article?

A non-declared article is any electrical article that is not listed as a declared article.



## 2 Sale of electrical articles in New South Wales

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### 2.1 Definition of 'Sell'

"Sell" includes auction or exchange; offer, agree or attempt to sell; advertise, expose, send, forward or deliver for sale; cause or permit to be sold or offered for sale; hire or cause to be hired; and display for sale or hire.

The laws apply to any person who sells an electrical article and includes the manufacturer or importer and any on-seller.

The compliance requirements of electrical articles at the time of sale reflects the current applicable product standard as revised or amended. It's important that traders effectively manage their compliance obligations by ensuring that inventory is controlled and that the valid approval status and compliance of this stock is maintained. A person's obligation under Section 8 of the Act is at the time the article is sold (for example to a retailer). Once sold it is the obligation of the current holder of the stock for any further sales.

### 2.2 Declared Articles

In order to sell declared articles in New South Wales, the articles must:

1. Be approved as compliant to use prior to sale, evidenced by a NSW Fair Trading **Certificate of Approval** (or by an accredited Recognised External Approval Scheme.)
2. The approval process must demonstrate that the electrical article meets all relevant Australian Standards and any further requirements that may apply. This process includes the testing of these articles by accredited laboratories.
3. Be marked with the NSW approval mark or an approved alternate mark (see 3.3.)
4. Definitions of declared articles and their associated safety standard/s are attached.

### 2.3 Non-declared articles

In order to sell non-declared electrical articles in New South Wales, the articles must comply with the minimum requirements specified by Australian Standard 3820:2009 - *Essential safety requirements for low voltage electrical equipment*. This Standard requires that any non-declared electrical article must be compliant and not cause injury, electrical



shock, or fire. Copies of Australian Standard 3820:2009 can be purchased from SAI Global (<https://infostore.saiglobal.com/en-au/>) or Standards Australia (<https://www.techstreet.com/sa>).

Certification may be sought for non-declared electrical articles by a seller, manufacturer or importer. Certification in this instance will ensure that the article is compliant for use. When a request for certification of a non-declared article is approved by NSW Fair Trading, a **Certificate of Suitability** can be issued. However, a Certificate of Suitability is not mandatory in order to sell a non-declared electrical article in New South Wales.

## 2.4 Who can issue Certificate of Approval or Certificate of Suitability?

NSW Fair Trading or a Recognised External Approval Schemes (REAS) can approve an electrical article and issue a Certificate of Approval prior to sale.

To obtain a NSW Fair Trading Certificate of Approval for declared articles or a Certificate of Suitability for non-declared articles, an application must be completed - **Form EEA1**.

To obtain a Certificate of Approval from a REAS apply to the REAS.

## 2.5 Recognised External Approval Schemes (REAS)

NSW Fair Trading accredits external certification bodies known as REAS that can also approve declared electrical articles. Below is a list of the NSW accredited REAS and their contact details.

- **Conformity Certification Services Pty Ltd** – Tel: +61 8 8233 5855  
Web: [www.eessconformity.com](http://www.eessconformity.com)
- **Global-Mark Pty Ltd** – Tel: +61 2 9886 0222  
Web: [www.global-mark.com.au](http://www.global-mark.com.au)
- **Market Access (Aus) Pty Ltd** – Tel: +61 2 9416 0818  
Web: [www.certificationbody.com.au](http://www.certificationbody.com.au)
- **Oz Cert Pty Ltd** – Tel: +61 7 2800 7358  
Web: [www.ozcert.com.au](http://www.ozcert.com.au)
- **SAA Approvals Pty Ltd** – Tel +61 7 3393 9455  
Web: [www.saaapprovals.com.au](http://www.saaapprovals.com.au)
- **SAI Global Certification Services Pty Ltd** – Tel: +61 2 8206 6060  
Web: [www.saiglobal.com/product-certification](http://www.saiglobal.com/product-certification)
- **SGS Australia Pty Ltd** – Tel: +61 3 9875 9052  
Web: [www.sgs.com.au/epcs](http://www.sgs.com.au/epcs)
- **TUV Rheinland Australia Pty Ltd** – Tel: +61 3 9450 1400  
Web: [www.tuv.com.au](http://www.tuv.com.au)
- **UL International NZ Ltd** – Tel: +64 9415 3355  
Web: [www.ul.com/gma](http://www.ul.com/gma)



## 3 Applications to NSW Fair Trading

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### 3.1 Lodgement details

Applications are to be emailed to: [energyapprovals@customerservice.nsw.gov.au](mailto:energyapprovals@customerservice.nsw.gov.au)

The time taken to process applications can be up to 20 working days (four weeks), where the application has all required information.

### 3.2 Duration of Approvals

An approval for a declared article is usually granted for a five year period and may be renewed. The model must, throughout its life, continue to comply with the currently gazetted Australian Standard/s and any changes to the Standard/s, along with any other conditions applied in the granting of the original approval.

### 3.3 Markings

Approved articles must be marked with the approval number or with an approved alternate mark. A Certificate of Approval marking will be in the format “NSWxxxxx” for a declared article or “CSxxxxxN” for a Certificate of Suitability for a non-declared article. NSW Fair Trading will specify the sequential “xxxxx” number. Any approved alternate mark will be specified on the certificate.

### 3.4 Fees

Applications will not be processed until the full fee has been paid. The schedule of fees is attached to the end of this document. Payments must be made by EFT to the account details as follows:

Bank Name: Westpac

Bank Address: Level 1, 275 Kent Street, Sydney 2000

Account Name: OFT Electrical Remitting Account

BSB Number: 032-001

Account Number: 168071

Swift Code: WPACAU2S

Please use the existing certificate number or name of your company/business as a reference when making payment and forward a copy of the remittance advice along with your application.



## 4 Types of Applications and Requirements

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### 4.1 Applications for Certificates of Approval (declared) or Certificates of Suitability (non-declared)

All applications must include the following:

1. Completed and signed **Form EEA1**
2. Test Report/s demonstrating that the article complies with the relevant Australian Standard/s from an accredited 3<sup>rd</sup> party laboratory (see 4.1.1). Test reports must have comprehensive colour photographs of the interior and exterior of the article. Test reports that relate to electromagnetic compatibility / interference (EMC / EMI) or energy efficiency are not relevant and should not be provided.
3. Samples of the electrical article if requested (samples will be returned at the completion)
4. User/Instruction manuals
5. Application fee
6. Any other information requested by NSW Fair Trading

#### 4.1.1 Evidence of Compliance/Test Reports

The compliance of any electrical article must be demonstrated by a full test report from an endorsed and accredited 3<sup>rd</sup> party laboratory.

The majority of the Australian Standards applied to electrical articles are based on International (IEC) and European (EN) Standards. Test reports to these standards may be accepted provided any Australian variations are suitably addressed. NSW Fair Trading will accept subject to its discretion, test reports endorsed by the following accreditation bodies:

1. The National Association of Testing Authorities, Australia (NATA) – [www.nata.asn.au](http://www.nata.asn.au)
2. IECEE CB Scheme
3. A member of The International Organisation for Accreditation bodies – Mutual Recognition arrangement (ILAC-MRA)
4. An appropriate national or international body.





### 4.1.2 Compliance

It is the responsibility of the seller of a product to ensure that the product complies with the gazetted Standard at all times.

NOTE: This includes any standards that are referenced by the gazetted standards. For example, if a gazetted standard references AS/NZS 3112 with an undated reference then compliance is in strict alignment with AS/NZS 3112, including changes that becomes applicable immediately they become applicable (because it is an undated reference).

Most issues relating to non-compliance are not as a result of a design deficiency but one of quality assurance where the approved product although identical in appearance may over time, for a number of reasons, eg undisclosed outsourcing, be of a lower quality and no longer compliant.

When sourcing product it is important to ensure that the manufacturer has an appropriate quality assurance scheme in place.

The Australian approval schemes are System 1(a) Certification Schemes as detailed in AS/NZS ISO/IEC 17067 and are referred to as Type Test Certification. This requires that for approval limited representative samples of an article be sent to a recognised Testing Laboratory and assessed and evaluated against the gazetted Standard.

There are, however, a number of certification levels available, that in addition to a Type Test incorporate different levels of factory / production / market surveillance to ensure continued compliance of the product. These schemes are essentially based on, or are equivalent to, AS/NZS ISO/IEC 17067 Systems 2 to 5, where the higher the number the greater the surveillance.

A higher level of quality assurance may be critical for high risk articles associated with the fixed wiring in buildings, recall of which may be extremely costly if not impossible.

A number of Certification Bodies offer this service and although not mandatory for approval will provide a higher level of confidence in the integrity of the product and lessen the chance of a product recall.

New South Wales Fair Trading is evaluating the application of an elevated level of quality assurance in conjunction with a Type Test to provide an enhanced level of safety for particular high-risk articles.



## 4.2 Applications for Modification

An application for modification of an approval must be submitted when the design, materials or construction of a model article is changed.

A General Exemption has been issued to cover articles that differ in very minor variations such as substitution of equivalent components (like for like) or changes in the styling or trim, from the original model approval. Approval for modifications in this instance is not required. A copy of the exemption is attached.

Where a product is modified (and the general exemption is not applicable) a modification application is always required.

Where a relevant standard has an amendment published, its application date (as sometimes modified in the NSW Gazette) determines when it becomes applicable. The product then either undergoes retesting or the existing testing continues to demonstrate compliance to the new requirements, in this case a modification application is optional and not mandatory. However, if a modification is required to comply to the new requirement a modification application is required.

Applications for modification must contain the following:

1. Completed and signed **Form EEA1**
2. Test Report/s demonstrating that the article complies with the relevant Australian Standard/s (if required) (see 4.1.1)
3. Comprehensive colour photographs of the interior and exterior of the article
4. Samples of the electrical article if requested (samples will be returned at the completion)
5. Application fee
6. Any other information requested by NSW Fair Trading



### 4.3 Applications for Renewal

An application for renewal allows the product to be sold after the existing expiry date of the approval certificate for a period up to 5 years. An application **must** be submitted no later than one month before the approval certificate is due to expire.

*NSW Fair Trading will send a renewal reminder notice three months prior to the expiry date of the certificate.* The holder of the certificate of approval is responsible for ensuring that the certificate remains current for as long as the article is still being sold.

Applications for renewal must contain the following:

1. Completed and signed **Form EEA2**
2. Application fee

The following may also be required by Fair Trading:

1. Test Report/s demonstrating that the article complies with the relevant Australian Standard/s and any changes to those Standards that occurred since the original approval (see 4.1.1)
2. Comprehensive colour photographs of the interior and exterior of the article
3. Samples of the electrical article if requested (samples will be returned at the completion)
4. Any other information requested by NSW Fair Trading

NSW Fair Trading will review the information in the application to determine if it complies with the current class specification and either grant the renewal for a period up to 5 years or refuse the application.

### 4.4 Applications for Extension of Approval

An application to extend the approval date of the certificate allows the product to continue to be sold for a short period of time. Extensions for approvals may be granted under exceptional circumstances upon request by the certificate holder where it would not be appropriate to renew the approval. An application must be submitted no later than one month before the approval certificate is due to expire. The Extension will continue the lifespan of a Certificate of Approval, and any modifications to the approval that were



previously granted. An extension may be granted for a period of up to twelve months from the expiry date of the approval. Requests for extension must include the following:

- A declaration from the certificate holder that there have been no changes to the product and that they are not aware of any safety incidents involving the approved article
- The approximate number of articles remaining in stock
- The amount of time required to clear remaining stock
- Application fee

NSW Fair Trading will review the information in the application and either grant the extension for a period up to 12 months or refuse the application.

#### 4.5 Notifications of Changes of Particulars

Written notice must be given to NSW Fair Trading within 21 days of any change in the:

1. Name of the approval holder
2. Change in the model reference code or
3. Description of the article (including trade name marking)

Applications for changes in particulars must contain the following:

1. Completed and signed **Form EEA3**
2. Application fee

#### 4.6 Exemptions

NSW Fair Trading can consider an exemption application for compliance and marking requirements under Section 8(3) of the Act. Such exemption requests should detail the reason for the exemption request, the models / types to be covered by the exemption, the quantities involved, whether there have been any known safety incidents with the models to be covered by the exemption, the amount of time required for the exemption and the details of any consultation with stakeholder groups in this matter.



## 5 Other regulatory requirements

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### 5.1 Other compliance requirements

In addition to electrical safety requirements administered by NSW Fair Trading, electrical articles sold in New South Wales may also need to comply with:

1. Gas appliance certification if the appliance is also an electrical article eg a gas heater with motor fan or switch. This is also administered by NSW Fair Trading through recognised Certified Approval Bodies. For further information refer to [www.fairtrading.nsw.gov.au](http://www.fairtrading.nsw.gov.au).
2. Electro-Magnetic Compatibility (EMC) requirements administered by the Australia Communications and Media Authority. The Authority can be contacted on 1300 850 115 or via [www.acma.gov.au](http://www.acma.gov.au).
3. Energy efficiency and labelling requirements (also known as MEPS). These are administered by the Commonwealth Government. Further information can be obtained at [www.energyrating.gov.au](http://www.energyrating.gov.au).
4. Watermark certification requirements for an appliance that is also an electrical article eg These are administered by the Australian Building Code Board. Further information can be obtained at <http://www.abcb.gov.au/Product-Certification/WaterMark-Certification-Scheme>

**ELECTRICITY (CONSUMER SAFETY) ACT 2004**

Order under Section 16(2)

WHERE a modification has been made to an electrical article for which a model approval under section 11 of the Electricity (Consumer Safety) Act 2004 is in force and the modification has been made only by way of:

- substitution of equivalent components; or
- change to the styling or decorative trim,

then a person who sells such an electrical article is, by this order, exempt from the operation 16(1)(a)(i) of that Act.

This Order takes effect from 25 September 2006.

ROD STOWE, Acting Commissioner for Fair Trading

**APPLICATION FOR MODEL APPROVAL OF A**

- \*  **DECLARED ARTICLE AND/OR ITS**
- \*  **MODIFICATIONS**
  
- \*  **NON-DECLARED ARTICLE AND/OR ITS**
- \*  **MODIFICATIONS**

FOR OFFICE USE ONLY		10/06
CERTIFICATE NO		
DATE RCD		
RECEIPT NO		
FEE		
AMOUNT RCD		

(\* tick as appropriate)

(Modifications may be included on this application for an ORIGINAL approval)

**Information for applicants:**

An application WILL NOT BE ACCEPTED unless it is made in accordance with the requirements specified in the Explanatory Notes and in particular payment of the prescribed fee (*not subject to GST*). *Fees will not be refunded if application is withdrawn or not pursued.*

Pre-allocated Certificate Number if applicable	
Declared	NSW _____
Non-declared	CS _____
	_____

COMPLETE FOR ALL APPLICATIONS (BLOCK LETTERS)	
Applicant/Approval Holder _____	
Postal Address _____	
_____ Postcode _____	
Contact for Enquiries _____	Phone _____
Email _____	

COMPLETE WHERE THE APPLICATION IS LODGED BY AN AGENT ACTING FOR, AND WITH THE AUTHORITY OF, THE APPLICANT/APPROVAL HOLDER (BLOCK LETTERS)	
Agent (name of entity) _____	
Postal address for the issue of correspondence in regard to this application.	
_____ Postcode _____	
Contact for Enquiries _____	Phone _____
Email _____	

FOR ORIGINAL CERTIFICATE ONLY	Trade Name or Mark	Model reference code (model, type, catalogue number, etc)	Volts	Amperes or Watts	AC/DC Hertz
Description of Article					

COMPLETE FOR ORIGINAL APPLICATION	
Other name plate particulars # _____	
# Other nameplate particulars may include outputs of power supplies and microwave ovens, etc	

**COMPLETE FOR ALL APPLICATIONS**

Manufacturers name \_\_\_\_\_

Address of manufacturer \_\_\_\_\_

**COMPLETE FOR MODIFICATION APPLICATION**

Original Certificate Number **N or NSW** \_\_\_\_\_ or **CS** \_\_\_\_\_ **N**

Date of Issue \_\_\_\_\_

Model reference code (as shown on the original certificate) \_\_\_\_\_

**IMPORTANT NOTE:**

Where the Model reference code or marked Trade name is changed without modification to the design, a **Change of Particulars notification (Form EEA3)** must be submitted.

**Modification to design** details only

Model reference code	Indicate changes in the design, material or construction from the original approved article
<i>If insufficient room attach additional page</i>	

**COMPLETE FOR ALL APPLICATIONS**

I declare that the information contained in this application is complete and true to the best of my knowledge.

Signature \_\_\_\_\_ Name \_\_\_\_\_  
 (for Applicant/Approval Holder)

Date \_\_\_\_\_

NOTE: All approval and modification certificates will be sent in PDF format to the supplied email address.

<b>Address all correspondence to:</b>	The Manager	Address:	Phone: (02) 9372 8312
	Electrical & Gas Approvals	Level 23, 4 Parramatta Square	
	NSW Fair Trading	PARRAMATTA NSW 2150	
	PO Box 972		
	PARRAMATTA NSW 2124		
<b>e-mail address:</b>	energyapprovals@customerservice.nsw.gov.au		



**APPLICATION FOR RENEWAL OF A MODEL APPROVAL**

- \*  **DECLARED ARTICLE**
- \*  **NON-DECLARED ARTICLE**

(\* tick as appropriate)

**Information for applicants:**

An application WILL NOT BE ACCEPTED unless it is made in accordance with the requirements specified in the Explanatory Notes and in particular payment of the prescribed fee (*not subject to GST*). *Fees will not be refunded if application is withdrawn or not pursued.*

If the model(s) have been modified since the model approval was given or previously renewed a modification form EEA1 must be filled out and not this renewal form.

FOR OFFICE USE ONLY	
CERTIFICATE NO	
DATE RECD	
RECEIPT NO	
FEE	
AMOUNT RCD	

**THIS SECTION MUST BE COMPLETED (BLOCK LETTERS)**

Approval Holder \_\_\_\_\_  
 Postal Address \_\_\_\_\_  
 \_\_\_\_\_ Postcode \_\_\_\_\_  
 Contact for Enquiries \_\_\_\_\_ Phone \_\_\_\_\_  
 Email \_\_\_\_\_

**COMPLETE WHERE THE APPLICATION IS LODGED BY AN AGENT ACTING FOR, AND WITH THE AUTHORITY OF, THE APPLICANT/APPROVAL HOLDER (BLOCK LETTERS)**

Agent (name of entity) \_\_\_\_\_  
 Postal address for the issue of correspondence in regard to this application  
 \_\_\_\_\_  
 \_\_\_\_\_ Postcode \_\_\_\_\_  
 Contact for Enquiries \_\_\_\_\_ Phone \_\_\_\_\_  
 Email \_\_\_\_\_

**DETAILS OF ORIGINAL APPROVAL**

Original Certificate Number    **N or NSW** \_\_\_\_\_    or    **CS** \_\_\_\_\_ **N**  
 Date of Issue \_\_\_\_\_  
 Model reference code (model, type, catalogue number, etc) of the original article \_\_\_\_\_

Application is made for renewal of the original model approval (including all its approved modifications) identified above.

I declare that the information contained in this application is complete and true to the best of my knowledge.

I declare that the model has not been modified since the model approval was given or previously renewed.

Signature \_\_\_\_\_ Name \_\_\_\_\_

(for Applicant/Approval Holder)

Date \_\_\_\_\_

NOTE: All approval and modification certificates will be sent in PDF format to the supplied email address.

<b>Address all correspondence to:</b>	The Manager Electrical & Gas Approvals NSW Fair Trading PO Box 972 PARRAMATTA NSW 2124	<b>Address:</b> Level 23, 4 Parramatta Square PARRAMATTA NSW 2150	<b>Phone:</b> (02) 9372 8312
<b>e-mail address:</b>	energyapprovals@customerservice.nsw.gov.au		

Application payments must be made by EFT to the account details as follows:

Bank Name: Westpac  
Bank Address: Level 1, 275 Kent Street, Sydney 2000  
Account Name: OFT Electrical Remitting Account  
BSB Number: 032-001  
Account Number: 168071  
Swift Code: WPACAU2S

Please use the existing certificate number or name of your company/business as a reference when making payment and forward a copy of the remittance advice along with your application.

**NOTICE OF CHANGE OF PARTICULARS  
FOR MODEL APPROVALS**

FOR OFFICE USE ONLY	
CERTIFICATE NO	
DATE RECD	
RECEIPT NO	
FEE	
AMOUNT RCD	

**Information for applicants:**

An application WILL NOT BE ACCEPTED unless it is made in accordance with the requirements specified in the Explanatory Notes and in particular payment of the prescribed fee (*not subject to GST*). *Fees will not be refunded if application is withdrawn or not pursued.*

**COMPLETE FOR ALL APPLICATIONS (BLOCK LETTERS)**

Applicant/Approval Holder \_\_\_\_\_ ABN \_\_\_\_\_  
 Postal Address \_\_\_\_\_  
 \_\_\_\_\_ Postcode \_\_\_\_\_  
 Contact for Enquiries \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Email \_\_\_\_\_

**COMPLETE WHERE THE APPLICATION IS LODGED BY AN AGENT ACTING FOR, AND WITH THE AUTHORITY OF, THE APPLICANT/APPROVAL HOLDER (BLOCK LETTERS)**

Agent (name of entity) \_\_\_\_\_  
 \_\_\_\_\_  
 Postal address for the issue of correspondence in regard to this notice  
 \_\_\_\_\_  
 \_\_\_\_\_ Postcode \_\_\_\_\_  
 Contact for Enquiries \_\_\_\_\_ Phone \_\_\_\_\_  
 Email \_\_\_\_\_

Original Certificate Number N or NSW \_\_\_\_\_ or CS \_\_\_\_\_ N

*If more than one certificate, attach separate list*

**COMPLETE BOXES AS APPROPRIATE**

**CHANGE OF NAME (OF THE APPROVAL HOLDER)**

New name \_\_\_\_\_

Postal address \_\_\_\_\_  
 \_\_\_\_\_

Contact for Enquiries \_\_\_\_\_ Phone \_\_\_\_\_

Email \_\_\_\_\_

ABN \_\_\_\_\_

**(where not an Australian entity with an ABN, evidence of the legal change of name must be provided)**

**CHANGE IN MODEL REFERENCE CODE (model, type, catalogue number, etc) details**

\_\_\_\_\_

**An additional page may be attached if insufficient room.**

**CHANGE IN THE DESCRIPTION OF THE ARTICLE (including a change in the marked trade name)**

*TRADE NAME details*

\_\_\_\_\_

*OTHER DESCRIPTION*

\_\_\_\_\_

\_\_\_\_\_

*MANUFACTURING LOCATION*

\_\_\_\_\_

\_\_\_\_\_

I declare that the information contained in this notice is true to the best of my knowledge.

Signature \_\_\_\_\_ Name \_\_\_\_\_  
 (for Applicant/Approval Holder)

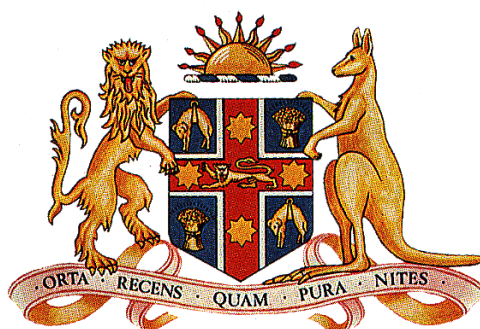
Date \_\_\_\_\_

NOTE: All certificates will be sent in PDF format to the supplied email address.

<b>Address all correspondence to:</b>	The Manager	Address:	
	Electrical & Gas Approvals	Level 23, 4 Parramatta Square	Phone: (02) 9372 8312
	NSW Fair Trading	PARRAMATTA NSW 2150	
	PO Box 972		
	PARRAMATTA NSW 2124		
<b>e-mail address:</b>	energyapprovals@customerservice.nsw.gov.au		

<b>CATEGORIES AND FEES FOR DECLARED AND NON-DECLARD ARTICLES (Effective 1 July 2022)</b>	
<b>Category 1 articles means any electrical articles of the following kind</b>	<b>Category 2 articles means any articles that are not Category 1 articles</b>
Appliance Connector	
Bayonet Lampholder	All other electrical appliances ( <b>electrical appliance</b>
Bayonet Lampholder Adaptor	means a device in which electrical energy is consumed
Control or Conditioning Device	or substantially changed in character by conversion
Cord Extension Socket	into heat, sound, motion, light or otherwise)
Cord-Line Switch	
Decorative Lighting Outfit	
Edison Screw Lampholder	
Fluorescent Lamp Ballast	
Fluorescent Lamp Starter	
Inspection Handlamp	
Luminaire (whether or not portable)	
Outlet Devices	
Plugs	
Socket-Outlet	
Supply Flexible Cord	
Wall Switch	
Any other apparatus, fixtures, devices, materials or the like (other than electrical appliances that are used, or are intended for use, as part of, or connection with, electrical installations)	

<b>Application</b>	<b>Fee</b>
1. Application for model approval (clause 8(2)(a))	
(a) for Category 1 articles	\$541
(b) for Category 2 articles	\$1080
2. Application for extension of model approval (clause 10(4)(b))	\$541
3. Application for renewal of model approval (clause 11(3)(c))	\$541
4. Application for modification of model approval (clause 14(2)(b))	\$406
5. Lodgement of notice of change of particulars of model approval (clause 16(2)):	
(a) for change of no more than 4 model approvals by means of a single notice	\$133
(b) for change to each additional model approval specified by the notice	\$39 per additional approval



# *Government Gazette*

of the State of

New South Wales

**Number 494–Electricity and Water**

**Friday, 1 October 2021**

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To submit a notice for gazettal, see the Gazette page.

## Gas and Electricity (Consumer Safety) Act 2017

### Order under section 12

I, Andrew Gavrielatos, Executive Director, Community Engagement, Better Regulation Division, Department of Customer Service, as delegate under the Gas and Electricity (Consumer Safety) Act 2017 (the Act):

- (1) revoke, on and from the date on which this Order is published in the *New South Wales Government Gazette*, the Order dated 9 March 2021 published in the *New South Wales Government Gazette* of 19 March 2021 No. 110 at page 2; and
- (2) pursuant to sections 12(2) and 12(3) of the *Gas and Electricity (Consumer Safety) Act 2017* by this Order, declare the electrical articles of a class described in Schedule 1 to be, on and from the date on which this Order is published in the *New South Wales Government Gazette*, declared electrical articles for the purposes of Part 2 of the *Gas and Electricity (Consumer Safety) Act 2017* and the specifications, including modifications, specified in Schedule 1 to be those applicable to electrical articles of that class.

Date: 23/09/21



Andrew Gavrielatos  
Executive Director  
Community Engagement  
Better Regulation Division  
Department of Customer Service

### Attachments

- Schedule 1

## Schedule 1

### Declared Electrical Articles

#### Interpretation:

Where a Class Specification references a part two to AS/NZS 60335 then AS/NZS 60335.1 shall be used in conjunction with this part two and forms part of the Class specification.

In this schedule a reference to:-

AS/NZS 60335.1 means AS/NZS 60335.1: 2011 +A1-4; or AS/NZS 60335.1: 2020

AS/NZS 3100 means AS/NZS 3100: 2017 +A1 (until 28 June 2022) or AS/NZS 3100: 2017 +A1-2

AS/NZS 60745.1 means AS/NZS 60745.1: 2009 or AS/NZS 60745.1: 2003 +A1-3

The 2009 edition will supersede AS/NZS 60745.1: 2003 and its amendments after all of the Parts 2 of that standard have been superseded

AS/NZS 60598.1 means AS/NZS 60598.1: 2017 + A1

AS/NZS 61347.1 means AS/NZS 61347.1: 2016 +A1

AS/NZS 61535 means AS/NZS 61535: 2011

AS/NZS 61558.1 means AS/NZS 61558.1: 2008 +A1-2

AS/NZS 62841.1 means AS/NZS 62841.1: 2015 +A1

“LED” means “Light Emitting Diode”

“Simple Portable luminaire” means a luminaire within the scope of Annex ZA of *AS/NZS 60598.2.4:2005 Requirements for Simple Portable luminaires*

“Supply to separate equipment” / “supply to separate luminaires” means the equipment or luminaire is not permanently connected and disconnection would not mean the destruction of the connection (e.g. by being in the same enclosure or by having a type Z connection)

#### 1. APPLIANCE CONNECTOR

An electrical device that –

- (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; or
- (e) an installation coupler within the scope of AS/NZS 61535.1
- (f) any associated Group 2 Appliance Connectors for connection to a specific electric blanket

Class specification:

Appliance connector –  
AS/NZS 60320.1: 2012

Plug connector –  
AS/NZS 60320.1: 2012 and AS/NZS 60320.2.2: 2004



Sewing machine connector –  
AS/NZS 60320.2.1: 2004

Standard Sheets as appropriate –  
IEC 60320.2.2, IEC 60320.1 or IEC 60320.3 Edition 1 2014

Note: Group 2 Appliance Connectors for connection to a specific electric blanket are captured by the specification of BLANKET

## **2. 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 but not Class 2L 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: 2015 (until 28 June 2022); or AS/NZS 60335.2.40:2019

## **3. ARC WELDING MACHINE**

An electrical appliance that –

- (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:

Inverter type:  
IEC 60974-1:2017

Other-  
AS 60974.1:2020; or IEC 60974-6:2015 plus Clause 30.2 of AS/NZS 60335.1

Note: Clause 30.2 of AS/NZS 60335.1 is only relevant for non-metallic enclosures

## **4. BAYONET LAMPHOLDER**

An electrical device that –

- (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 61184: 2015 +A1-2  
AS/NZS 3100 and AS/NZS 3117: 2015 +A1

## **5. BAYONET LAMPHOLDER ADAPTOR**

An electrical device that –

- (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.

Class specification:

AS/NZS 3100 and AS 3119: 2015

## **6. BLANKET**

An electrical appliance that –

- (a) is for the application of heat to a bed or human body;
- (b) is flexible;
- (c) has a fabric enclosure; and
- (d) has a projected surface area exceeding 0.6 square metres;

and includes -

- (e) any associated power supply or controller.
- (f) any associated Group 2 APPLIANCE CONNECTORS specific for the blanket

Class specification:

AS/NZS 60335.2.17: 2012 +A1

## **7. BREAD TOASTER – PORTABLE TYPE**

An electrical appliance that –

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

Class specification:

AS/NZS 60335.2.9: 2014 +A1–3 (until 26 June 2023); or AS/NZS 60335.2.9:2020

## **8. BUILDING WIRING CABLE**

A single or multicore electric cable insulated with polymeric materials that –

- (a) has one to five conductors of stranded or solid cores of copper conductors; and
- (b) has an insulated and laid up flat or circular configuration; and
- (c) is sheathed or unsheathed; and
- (d) has active phase conductors with a nominal cross-sectional area 0.5mm<sup>2</sup> to 16mm<sup>2</sup>; and
- (e) has an insulation designation of V-75, V-90, V-90HT or X-90; and

- (f) is intended for use in electrical installations at working voltages up to:-
- (i) 450/750V; or
  - (ii) 0.6/1 (1.2) kV

but does not include the following exempt types –

- (g) armoured, metallic screened and metal sheathed cables;
- (h) halogen free cables;
- (i) cables with a Fire Rating;
- (j) Supply Flexible Cords;
- (k) cables where the insulation of the conductors are not individually coloured;
- (l) cables with a conductor flexibility of Class 5 or greater according to AS/NZS 1125;
- (m) cables not captured by the scope of AS/NZS 5000.1 or AS/NZS 5000.2.

Class Specification:-

For working voltages up to 450/750V - AS/NZS 5000.2: 2006; or  
For working voltages up to 0.6/1 (1.2) kV - AS/NZS 5000.1: 2005

Note: A Supply Flexible Cord is captured by the definition of ‘Supply Flexible Cord’ elsewhere in this schedule.

Note: Cables where the insulation of the conductors are not individually coloured are usually considered control cables for specialised purposes.

Note: Cables that have a conductor flexibility of Class 5 according to AS/NZS 1125 are commonly known as Flexible Cable.

Note: Cables used for the ‘consumers mains’ and Extra Low Voltage cables are previously excluded by the Act by being outside the definition of electrical installation.

Note: The scopes of AS/NZS 5000.1 and AS/NZS 5000.2 do not apply to polymeric insulated cables for special installations and service conditions or for which there are separate Australian/New Zealand Standards.

## **9 CLOTHES DRYER**

An electrical appliance that –

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

but does not include –

- (c) a heated towel rail; or
- (d) a gas appliance having electrical connections.

Class specification:

Rotary type –  
AS/NZS 60335.2.11: 2017 (until 26 June 2023); or AS/NZS 60335.2.11:2020

Cabinet type –  
AS/NZS 60335.2.43: 2005(R2016) +A1-2 (until 30 November 2021); or AS/NZS 60335.2.43:2018

High Speed Spin Extractor –  
AS/NZS 60335.2.4: 2010 +A1-3 (until 29 June 2021); or AS/NZS 60335.2.4: 2010 +A1-4

## **10. CONTROL OR CONDITIONING DEVICE**

An electrical device that –

- (a) is a household type;

- (b) is for automatically controlling or conditioning the electrical input to electrical apparatus via outlet facilities of the control or conditioning device;
- (c) is portable, including devices connected to supply by integral pins for engagement with a socket-outlet;
- (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.

Class specification:

AS/NZS 3100 and 3105: 2014 +A1

## **11. COOKING APPLIANCE – PORTABLE TYPE**

An electrical appliance that –

- (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: 2014 +A1-3 (until 26 June 2023); or AS/NZS 60335.2.9:2020

Warming plate and similar-

AS/NZS 60335.2.12:2018

Frying pan, deep fryer or wok-

AS/NZS 60335.2.13: 2017

Outdoor Barbecue

AS/NZS 60335.2.78: 2005 +A1-2 (until 29 November 2022); or AS/NZS 60335.2.78:2019

## **12. CORD EXTENSION SOCKET**

An electrical device that –

- (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 3100 and AS/NZS 3120: 2011 +A1

## **13. CORD-LINE SWITCH**

An electrical device that –

- (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:

Air-break type –  
AS/NZS 3100 and AS/NZS 3127: 2005

Electronic type –  
AS/NZS 3100 and AS/NZS 3127: 2005, with AS/NZS 3127: 2005 Clause 12.1 modified to replace all references to AS/NZS 3133 with AS/NZS 60669.2.1

#### **14. DC ISOLATOR**

An electrical device that –

- (a) is an air-break d.c. rated isolator; and
- (b) has a rated operational current not exceeding 32 A; and
- (c) has a utilization category DC-PV2; and
- (d) is for connection to the wiring of a photovoltaic (PV) electrical installation, other renewable energy installation, or energy storage installation; and includes
- (e) the dedicated individual enclosure (if any), where the d.c. isolator is classified as enclosed outdoor.

NOTE: A ‘dedicated individual enclosure’ includes a single dc isolator in an enclosure or multiple dc isolators in a common enclosure, but does not include the enclosure where the dc isolator is to be installed integral within a power conditioning equipment (PCE) enclosure or is to be installed in an enclosure that complies with a relevant standard for assemblies for use in photovoltaic networks.

Class specification:

AS 60947.3:2018

#### **15. DECORATIVE LIGHTING OUTFIT**

An electrical appliance that –

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

and includes –

- (e) any integral power supply or control device.

Class specification:

Rope lights –  
AS/NZS 60598.2.21: 2018

Other, including lighting chains and festoon lighting–  
AS/NZS 60598.2.20: 2018

**16. DISHWASHING MACHINE**

An electrical appliance that –

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

Class specification:

AS/NZS 60335.2.5:2014 +A1-2

**17. 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 62560

Class Specification:

AS/NZS 60598.2.1: 2014 +A1 Appendix A

**18. EDISON SCREW LAMPHOLDER**

An electrical device that –

- (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 3100 and AS/NZS 3140: 2014 +A1 or  
AS/NZS 60238: 2015 +A1-2

**19. EVAPORATIVE COOLER**

An electrical appliance that —

- (a) is a device that cools air through evaporation of water;
- (b) incorporates a fan for moving air; and
- (c) is fixed with one or more vents.

But does not include:

- (d) An evaporative cooler that has a rated airflow greater than 3,500 L/s.

Class specification:

AS/NZS 60335.2.98:2005 +A1-2 (R2016)

**20. FAN**

An electrical appliance that –

- (a) is a household type;
- (b) has a primary function of moving air in its vicinity for comfort or extraction purposes; and
- (c) is self-contained;

and includes –

- (d) duct fans,
- (e) any associated ancillary equipment

Class specification:

AS/NZS 60335.2.80: 2016

**21. FENCE ENERGISER**

An electrical appliance that regulates and controls the supply of electrical energy to an electric fence.

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.76: 2003 +A1-4 (until 28 June 2022); or  
AS/NZS 60335.2.76: 2019

**22. FLEXIBLE HEATING PAD – an electrical appliance that–**

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

and includes:-

- (d) an electric hot water bottle

but does not include:-

- (e) appliances specifically intended for use under direct medical supervision.

Class specification:

Foot warmer, foot mat, electric hot water bottle:

AS/NZS 60335.2.81: 2015 +A1-2

Other:

AS/NZS 60335.2.17: 2012 +A1

**23. FLOOR POLISHER SCRUBBER**

An electrical appliance that –

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

Class Specification:

AS/NZS 60335.2.10: 2006 +A1

**24. FLUORESCENT LAMP BALLAST**

An electrical device that –

- (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 60 watts 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 lamp) magnetic and electronic types-  
AS/NZS 60968: 2001

Other magnetic type-  
AS/NZS 61347.1 and AS/NZS 61347.2.8: 2003

Other electronic type  
AS/NZS 61347.1 and AS/NZS 61347.2.3: 2016

Fluorescent lamp adaptors (T8:T5)  
AS/NZS 61347.1 and AS/NZS 61347.2.3: 2016 and the relevant requirements of AS/NZS 60598.2.1: 2014 +A1

## **25. FLUORESCENT LAMP STARTER**

An electrical device that –

- (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: 2000 +A1-2

## **26. GLUE GUN**

An electrical appliance that –

- (a) is a household type;
- (b) is hand held; and
- (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: 2012



**27. HAIR CARE APPLIANCE**

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.

Class specification:

AS/NZS 60335.2.23: 2017

**28. HEDGE CLIPPER**

An electrical appliance that –

- (a) is for trimming hedges; and
- (b) has one or more reciprocating blades; and
- (c) is hand held.

Class specification:

AS/NZS 60745.1 and AS/NZS 60745.2.15: 2010

**29. IMMERSION HEATER**

An electrical appliance that –

- (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: 2011

Portable (other than aquarium) type-  
AS/NZS 60335.2.74: 2018

Fixed type-  
AS/NZS 60335.2.73: 2005 +A1-2

**30. INSECT ELECTROCUTOR**

An electrical appliance that –

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

Class specification:

AS/NZS 60335.2.59: 2005 +A1-3

**31. INSPECTION HANDLAMP**

An electrical appliance that –

- (a) is for inspection purposes using illumination;

- (b) contains an electric light source; and
- (c) is hand held;

but does not include –

- (d) handlamps with a magnification facility.

Class specification:

AS/NZS 60598.1 and AS/NZS 60598.2.8: 2015

### **32. IRON**

An electrical appliance that –

- (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 –  
AS/NZS 60335.2.85: 2018

Other –  
AS/NZS 60335.2.3: 2012 +A1

### **33. KITCHEN MACHINE**

An electrical appliance that –

- (a) is a household type;
- (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: 2017

### **34. LAWN CARE APPLIANCE**

An electrical appliance that –

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

Class specification:

Mower -  
AS/NZS 60335.2.77: 2002 +A1

Trimmer (with non-metallic filament line or cutter/s)-  
60335.2.91: 2008 +A1

Trimmer (other)-  
AS/NZS 60335.2.91: 2008 +A1

Grass Shears:  
AS/NZS 60335.2.94: 2008

### **35. LIGHT EMITTING SEMICONDUCTOR LAMP (SELF BALLASTED)**

An appliance that –

- (a) incorporates a light emitting semiconductor light source; and
- (b) has any additional elements necessary for stable operation of the light source incorporated within the lamp body and permanently connected to the light source; and
- (c) has a rated voltage greater than 50 V and up to and including 250 V; and
- (d) has a rated Wattage no greater than 20W or for LED PAR types no greater than 25W; and
- (e) intended for connection to supply via means of a B15, B22, E14, E27, G9 or GU10 lamp cap for insertion into a lampholder.

but does not include—

- (f) a double capped light emitting semiconductor lamp.

Class specification:  
AS/NZS 62560: 2017

### **36. LIQUID HEATING APPLIANCE**

An electrical appliance that –

- (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: 2005 +A1-2

Other-  
AS/NZS 60335.2.15: 2013 +A1-3 (until 29 November 2022); or AS/NZS 60335.2.15:2019

### **37. LUMINAIRE - PORTABLE TYPE**

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 tungsten filament, tubular fluorescent or other discharge lamps or Light Emitting Diode “LED” types; and is either –
- (f) constructed to represent a model, person or animal and by its design and materials 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)

but does not include –

(d) Simple Portable Luminaires

Class specification:

Child appealing type (refer to clause (f))-  
AS/NZS 60598.1 and AS/NZS 60598.2.10: 2015

Type fitted with a built-in transformer or convertor- AS/NZS 60598.1 and AS/NZS 60598.2.6: 1998. (R2013)

Type for Garden Use - AS/NZS 60598.1 and AS 60598.2.4:2019;

Other- AS/NZS 60598.1 and  
AS 60598.2.4:2019

**38. MASSAGE APPLIANCE**

An electrical appliance that –

- (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: 2014 (until 27 November 2023); or AS/NZS 60335.2.32:2020

**39. MICROWAVE OVEN**

An electrical appliance that –

- (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: 2011 +A1-2 (until 18 December 2023); or AS/NZS 60335.2.25:2020

**40. MINIATURE OVERCURRENT CIRCUIT-BREAKER**

An electrical device that –

- (a) is an enclosed air-break switch;
- (b) opens a low voltage circuit automatically under pre-determined conditions of overcurrent;
- (c) has a nominal rating not exceeding 125 A; and has –
  - (i) a current breaking capacity up to but not including 10kA and/or
  - (ii) a projected panel mounting area not exceeding 4000 square millimetres per pole;

but does not include –

- (d) miniature overcurrent circuit-breakers as defined but which:
  - (i) are intended and marked as being only for use in industrial application; or
  - (ii) are intended only for use within and for protection of electrical equipment as distinct from circuit wiring and are appropriately marked.

Class specification:

AS/NZS 60898.1: 2004; or  
AS/NZS 60898.2: 2004 (R2016); or  
AS 60947.2: 2015 (for DC circuit breakers outside the scope of AS/NZS 60898.2); or

**41. NIGHTLIGHT - MAINS SOCKET OUTLET MOUNTED**

An electrical appliance that –

- (a) is a household type;
- (b) incorporates integral pins for insertion into a socket outlet; and
- (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: AS/NZS 60598.2.12: 2015

**42. OUTLET DEVICE**

An electrical device that –

- (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 3100 and AS/NZS 3122: 2015.

In this specification AS/NZS 3122: 2015 is modified to preclude types that can be wired or rewired by the user.

Other:-

AS/NZS 3100 and AS/NZS 3105: 2014 +A1

**43. PLUG**

An electrical device that –

- (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 rating not exceeding 20A;

but does not include -

- (d) a plug which is within the scope of AS/NZS 3123: 2005 and is intended for industrial use; or
- (e) a plug which is within the scope of AS/NZS 3131: 2001 or AS/NZS 61535: 2011.

Class specification:

AS/NZS 3100 and AS/NZS 3112: 2017

Note: It is intended to preclude plugs of a non-Australian type.

**44. POWER SUPPLY OR CHARGER**

An electrical appliance that –

- (a) provides an output not exceeding 50 volts a.c. or 120 volts 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.

but does not include:

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

Class specifications:

Power supply for general use-

AS/NZS 61558.1 and AS/NZS 61558.2.6: 2009 +A1; or  
AS/NZS 61558.2.16: 2010 +A1-3 (for switched mode types).

Power supply (electronic or transformer types) designated for use with specific electronic equipment-

AS/NZS 60065: 2018 (until 15 Feb 2023); or  
AS/NZS 60950.1:2015 (until 15 Feb 2023); or  
AS/NZS 61558.1 and AS/NZS 61558.2.16: 2010 +A1-3 (for switched mode types); or  
AS/NZS 62368.1: 2018

Power supply for toys-

AS/NZS 61558.1: 2008 and 61558.2.7: 2008 +A1; or  
AS/NZS 61558.2.16: 2010 +A1-3 (for switched mode types)

Power supply for bells or chimes-

AS/NZS 61558.1 and AS/NZS 61558.2.8: 2011 +A1; or  
AS/NZS 61558.2.16: 2010 +A1-3 (for switched mode types)

Power supply for lighting purposes-

Electronic Type, LED module: AS/NZS 61347.1 and AS 61347.2.13:2018  
Electronic Type, Other: AS/NZS 61347.1 and AS/NZS 61347.2.2: 2007  
Ferromagnetic Type: AS/NZS 61558.2.6: 2009 +A1

Power supply for Handlamps-

AS/NZS 61558.1 and AS/NZS 61558.2.9: 2011 +A1; or  
AS/NZS 61558.2.16: 2010 +A1-3 (for switched mode types).

Power Supply for fence energiser-

AS/NZS 61558.1 and AS/NZS 61558.2.6: 2009 +A1 together with  
AS/NZS 60335.2.76: 2003 +A1-4 (R2016); or  
AS/NZS 61558.2.16: 2010 +A1-3 together with AS/NZS 60335.2.76: 2003 +A1-4 (until 28 June 2022) or  
AS/NZS 60335.2.76: 2019. (for switched mode types)

Battery charger-

AS/NZS 60335.2.29: 2017

#### **45. PROJECTOR**

An electrical appliance that –

- (a) is a household type; and
- (b) is for projecting an image from a photographic slide or moving film.

Class specification:

AS/NZS 60335.2.56: 2006 +A1-2

**46. RANGE**

An electrical appliance that –

- (a) is a household type;
- (b) is for cooking food using heat produced by electrical energy; and
- (c) is stationary.

Class specification:

Fixed outdoor barbecue-

AS/NZS 60335.2.78: 2005 +A1-2 (until 29 November 2022); or AS/NZS 60335.2.78:2019

Other-

AS/NZS 60335.2.6: 2014 +A1 (until 28 June 2022) or;

AS/NZS 60335.2.6: 2014 +A1-2

**47. RANGE HOOD**

An electrical appliance that –

- (a) is a household type;
- (b) collects and/or filters air; and
- (c) is for installation above, or adjacent to, a cooking appliance.

Class specification:

AS/NZS 60335.2.31: 2013 +A1-3 (until 27 November 2022); or AS/NZS 60335.2.31:2020

**48. RAZOR/HAIR CLIPPER**

An electrical appliance that –

- (a) is a household type; and
- (b) shaves, cuts or trims human hair.

Class specification:

AS/NZS 60335.2.8: 2013 +A1

**49. REFRIGERATOR/FREEZER**

An electrical appliance that –

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

but does not include –

- (c) wine coolers

Class specification:

AS/NZS 60335.2.24: 2010 +A1-2

**50. RESIDUAL CURRENT DEVICE**

An electrical device that –

- (a) isolates or initiates a tripping signal to isolate a low-voltage supply to protected circuits, sockets-outlets or equipment in the event of a current flow to earth which exceeds a predetermined level;
- (b) may be fixed or portable;

- (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.

Class specification:

In this Class specification, AS/NZS 3190: 2016 means either:  
 AS/NZS 3190: 2016 plus Amendment 1 clause 5.11; or  
 AS/NZS 3190: 2016 plus Amendment 1 (from 10 July 2021)

Without integral overcurrent protection -  
 AS/NZS 61008.1: 2015 or AS/NZS 3190: 2016

With integral overcurrent protection -  
 AS/NZS 61009.1: 2015 or;  
 AS/NZS 3190: 2016 and AS/NZS 3111: 2009 +A1-2

Type 'B' and 'F' devices: IEC 62423  
 Type SPE – PRCD's: IEC 62335

For portable types –

- (a) AS/NZS 3190: 2016; or
- (b) AS/NZS 3190: 2016 together with AS/NZS 3012: 2010 +A1 (Type PSOA); or
- (c) IEC 61540 and the PRCD and PSOA requirements of AS/NZS 3190

## **51. ROOM HEATER**

An electrical appliance that –

- (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 heatlamps;

but does not include -

- (d) an air-conditioning appliance; or
- (e) 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
- (f) an under-carpet heating system.

Class specifications:

Thermal storage type-  
 AS/NZS 60335.2.61: 2005 +A1-2

Other-  
 AS/NZS 60335.2.30: 2015 +A1-3



**52. SEWING MACHINE**

An electrical appliance that –

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

Class specification:

AS/NZS 60335.2.28: 2006 +A1

**53. SOCKET-OUTLET**

An electrical device that –

- (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 rating not exceeding 20A.;

but does not include -

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

Class specifications:

AS/NZS 3100 and AS/NZS 3112: 2017; or  
AS/NZS 60884.1: 2013 (including annex ZZ).

Socket Outlets shall not allow projected plug portions for any aperture set to be overlapped.

**54. SOLDERING IRON**

An electrical appliance that –

- (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: 2012

**55. SUBMERSIBLE PUMP**

This definition becomes mandatory on 1 January 2023

An electrical appliance that –

- (a) is a household type;
- (b) is for pumping liquids (including a mixture of water and small solids) having a temperature not exceeding 90 °C;
- (c) has a rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances;
- (d) has any electrical part, or enclosure around any electrical part, completely or partially immersed in the liquid being pumped during normal use; and
- (e) is portable or fixed in position

but does not include -

- (f) swimming pool or spa equipment.

Class specification: AS/NZS 60335.2.41:2013 +A1

**Note:** SUBMERSIBLE PUMPS supplied from a separate extra low voltage supply (at or less than 50 VAC or 120 VDC) are not captured by this definition

#### **56. SUPPLY FLEXIBLE CORD**

An electrical cord that –

- (a) is unshielded 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 square millimetres; and
- (e) has for other than tinsel cords, individual wire strandings not exceeding -
  - (i) 0.21 mm for conductor sizes up to 1 square millimetre; or
  - (ii) 0.26 mm for conductor sizes exceeding 1 square millimetre;

but does not include -

- (f) a flexible cord which is marked in accordance with the CENELEC HAR marking scheme for flexible cords that is either;
  - directly connected to equipment; or
  - directly connected to approved non-rewirable accessories.
- (g) wiring contained entirely within the enclosure of equipment or an appliance.

Class specifications:

General flexible cord-  
AS/NZS 3191: 2008; or  
AS/NZS 60227.5: 2003 +A1 (PVC) or AS/NZS IEC 60227.5:2019; or  
AS/NZS 60245.4: 2003 +A1 (Rubber) or AS/NZS IEC 60245.4:2020.

Halogen-free thermoplastic insulation cord-  
EN 50525-3-11: 2011 or IEC 62821-3:2015

Halogen-free crosslinked insulation cord-  
EN 50525-3-21: 2011

#### **57. SWIMMING POOL OR SPA EQUIPMENT**

An electrical appliance or device that –

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

Class specifications:

Pump-  
AS/NZS 60335.2.41: 2013 (until 30 November 2022); or AS/NZS 60335.2.41: 2013 +A1

Spa pool, Spa bath or an appliance intended to circulate air or water in a conventional bath-

AS/NZS 60335.2.60: 2006 +A1 (until 30 November 2021) or;  
AS/NZS 60335.2.60: 2018

UV radiation water treatment appliances-  
AS/NZS 60335.2.109: 2011 +A1-2

Other-  
AS/NZS 3100 and AS/NZS 3136: 2001 +A1-2

#### **58. TELEVISION RECEIVER**

An electrical appliance that –

- 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: 2018; or  
AS/NZS 62368.1: 2018

#### **59. THERAPEUTIC LAMP**

An electrical appliance that –

- (a) is a household type;
- (b) produces optical radiation for personal, cosmetic or nail hardening purposes; and
- (c) is portable.

Class specification:

For appliances incorporating lasers and intense light sources –  
AS/NZS 60335.2.113: 2017

Other -  
AS/NZS 60335.2.27: 2016 +A1 (until 26 June 2023); or AS/NZS 60335.2.27:2020

#### **60. TOOL - PORTABLE TYPE**

An 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 specifications:

AS/NZS 60745.1 plus the in-effect AS/NZS 60745 Series Part 2

Where the published AS/NZS 60745 Series Part 2 has been superseded or does not exist:-

AS/NZS 62841.1 plus the appropriate AS/NZS 62841 Series Part 2

Other (where an AS/NZS 60745 Part 2 or AS/NZS 62841 Part 2 is not available) AS/NZS 3100 and AS/NZS 3160

#### **61. VACUUM CLEANER**

An electrical appliance that –

- (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: 2003

Other;  
AS/NZS 60335.2.2: 2018

## **62. WALL SWITCH**

An electrical device that –

- (a) is a household type; and
- (b) is either an air-break switch or an electronic switch; and
- (c) is for connection to the wiring of an electrical installation; and
- (d) is primarily for mounting on a vertical surface; and
- (e) is intended to turn a load ON or OFF; and
- (f) has a rating not exceeding 20 A;

but does not include—

- (g) automatic operation by means of motion sensors such as Passive Infrared sensors, Microwave sensors, Ultrasonic sensors or the like.

Class specification:

Air-break type –  
AS/NZS 3100 and AS/NZS 3133: 2013 +A1-2; or  
AS/NZS 3100 and AS/NZS 3133: 2020 (from 27 November 2022); or

Electronic type (including relay contacts or solid state contacts) –  
AS/NZS 60669.1: 2013 and AS/NZS 60669.2.1: 2013

## **63. WASHING MACHINE**

An electrical appliance that –

- (a) is a household type; and
- (b) is used for washing clothes.

Class specification:

AS/NZS 60335.2.7: 2012 +A1-2 (until 26 June 2023); or AS/NZS 60335.2.7:2020

## **64. WATER BED HEATER**

An electrical appliance that –

- (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: 2012

**65. WATER HEATER**

An electrical appliance that –

- (a) is for heating and storage of water for bathing, washing or similar purposes;
  - (b) incorporates a heating element;
  - (c) is unvented; and
  - (d) has a storage capacity not less than 4.5 L nor more than 680 L.
- or
- (e) is for heating water;
  - (f) is of the instantaneous type; and
  - (g) incorporates live parts in contact with water.

Class specification:

Pressure storage –

AS/NZS 60335.2.21: 2013 +A1 (until 28 June 2021) or;

AS/NZS 60335.2.21: 2013 +A1-2

Instantaneous –

AS/NZS 60335.2.35: 2013 +A1

-