



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

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Table of Contents

1	Overview	1
1.1	Introduction	1
1.2	Legislation	1
1.3	Declared and non-declared electrical articles	2
1.3.1	What is a declared article?	2
1.3.2	What is a non-declared article?	2
2	Sale of electrical articles in New South Wales	3
2.1	Definition of 'Sell'	3
2.2	Declared Articles	3
2.3	Non-declared articles	3
2.4	Who can issue Certificate of Approval or Certificate of Suitability?	4
3	Applications to NSW Fair Trading	5
3.1	Lodgement details	5
3.2	Processing Times	5
3.3	Duration of Approvals	5
3.4	Markings	5
3.5	Fees	6
4	Types of Applications and Requirements	7
4.1	Applications for Certificates of Approval (declared) or Certificates of Suitability (non-declared)	7
4.1.1	Evidence of Compliance/Test Reports	7
4.2	Applications for Modification	9
4.3	Applications for Renewal	9
4.4	Notifications of Changes of Particulars	10
4.5	Applications for Extension of Approval	10
5	Other regulatory requirements	11
5.1	Additional compliance requirements	11
5.2	NSW approvals and the Electrical Equipment Safety Scheme (EESS)	11
	Recognised External Approval Schemes (REAS)	13



1 Overview

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 certify that an electrical article is compliant to sell and
- (b) ensuring that only compliant electrical articles are sold or available for sale in the market place

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 Electricity (Consumer Safety) Act 2004 ([Electricity \(Consumer Safety\) Act 2004](#)) and the Electricity (Consumer Safety) Regulation 2006 ([Electricity \(Consumer Safety\) Regulation 2006](#)). All Fair Trading legislation can be found at 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.

1.3.1 What is a declared article?

There are 62 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 and sewing machines. The list of declared articles is regularly reviewed to take into account emerging new technology. In accordance with the 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

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.

2.2 Declared Articles

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

1. Be approved and certified 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 certification process must demonstrate that the electrical article meets all relevant standards and any further requirements that may apply. This process includes the testing of these articles in accredited laboratories.
3. Be marked with the NSW approval mark or an approved alternate mark.
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 ensures 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](#).

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 is a body which can certify and approve that an electrical article is compliant, prior to sale. In order to obtain a Certificate of Approval for declared articles or a Certificate of Suitability for non-declared articles, an application must be completed - [Form EEA1](#).

NSW Fair Trading has also recognised external certification bodies known as Recognised External Approval Schemes or REAS, to approve declared electrical articles. Attached is a list of the NSW accredited [REAS and their contact details](#).

Under mutual recognition laws, NSW Fair Trading will also recognise approvals issued from other jurisdictions within Australia and New Zealand.



3 Applications to NSW Fair Trading

3.1 Lodgement details

Applications are to be emailed to:

energyapprovals@finance.nsw.gov.au

or posted to:

Electrical & Gas Unit
NSW Fair Trading
PO Box 972
Parramatta NSW 2124

3.2 Processing Times

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

3.3 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.

3.4 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.



3.5 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.

Fees can be paid by Electronic Funds Transfer (EFT) or cheques made payable to NSW Fair Trading. Payments by EFT must be made 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.

NSW Fair Trading will soon be implementing an online payment portal which will allow for credit card payments. These notes will be updated with further details when this function becomes available.



4 Types of Applications and Requirements

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 3rd party laboratory (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

4.1.1 Evidence of Compliance/Test Reports

The compliance of any electrical article must be demonstrated and accompanied with a full test report from an accredited 3rd 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 subject to NSW Fair Trading discretion accept, but is not limited to, test reports issued by the following accredited laboratories:

1. Accredited by the National Association of Testing Authorities, Australia (NATA) – www.nata.asn.au
 2. Under the Certifying Body (CB) scheme
 3. By organisations with partnership arrangement with NATA
 4. Recognised or certified within their own country by an appropriate national body or internationally by similar bodies
-



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.

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](#).

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 **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

4.4 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

4.5 Applications for Extension of Approval

Extensions for approvals may be granted under exceptional circumstances upon request by the certificate holder. 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 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
-



5 Other regulatory requirements

5.1 Additional 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. This is also administered by NSW Fair Trading through recognised Certified Approval Bodies. For further information refer to 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.
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.
4. Watermark certification requirements. 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>

5.2 NSW approvals and the Electrical Equipment Safety Scheme (EESS)

NSW Fair Trading is recognised as the leader in certification and compliance in Australia. NSW Fair Trading and NSW accredited REAS issue around 80% of approvals Australia wide.

Approvals in NSW continue to be issued under the existing scheme. NSW Fair Trading continues to comply with the Mutual Recognition Act and will recognise Certificates of Conformity issued by other States, as well as the use of the RCM mark.

There is no national electrical Equipment Safety Scheme (EESS) at present. Queensland has implemented a new scheme (established under Queensland legislation) but there has



been no formal agreement made by State and Territory Governments about the establishment of the EESS. Accordingly, each individual jurisdictions' existing arrangements continue to apply.

NSW Fair Trading is committed to ensuring that whatever scheme or schemes apply in the future, it will work as closely and as seamlessly as possible with the other Australian and New Zealand regulators. This includes applying Mutual Recognition laws and arrangements as fully as possible, and we expect that those arrangements will be reciprocated. In addition, NSW Fair Trading representatives contribute to many Australian Standard and technical committees including the Electrical Regulatory Authorities Council (ERAC).

A statement has been issued by NSW Fair Trading to clarify these matters. See [Fact Sheet](#) (at the end of this document).



Recognised External Approval Schemes (REAS)

- **The Australian Gas Association** – Tel: +61 3 9580 4500
Web: www.aga.asn.au
 - **Australian Safety Approval Pty Ltd** – Tel: +61 2 9680 9990
Web: www.australiansafetyapprovals.com
 - **Conformity Certification Services Pty Ltd** – Tel: +61 8 8233 5855
Web: www.eessconformity.com
 - **Global-Mark Pty Ltd** – Tel: +61 2 9886 0222
Web: www.global-mark.com.au
 - **Market Access (Aus) Pty Ltd** – Tel: +61 2 9416 0818
Web: www.certificationbody.com.au
 - **SAA Approvals Pty Ltd** – Tel +61 7 3393 9455
Web: www.saaapprovals.com.au
 - **SAI Global Certification Services Pty Ltd** – Tel: +61 2 8206 6060
Web: www.saiglobal.com/product-certification
 - **SGS Systems and Services Certification Pty Ltd** – Tel: +61 3 9875 9052
Web: www.sgs.com.au/epcs
 - **TUV Rheinland Australia Pty Ltd** – Tel: +61 3 9450 1400
Web: www.tuv.com.au
 - **UL International NZ Ltd** – Tel: +64 9415 3355
Web: www.ul.com/gma
-

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		
O	M	
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 _____ 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 application _____

Postcode _____

Contact for Enquiries _____ Phone _____ Fax _____

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

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.*

FOR OFFICE USE ONLY		10/06
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 _____ 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 application

 _____ Postcode _____
 Contact for Enquiries _____ Phone _____ Fax _____
 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 been / *has not been - modified since the model approval was given or previously renewed.

(***strike out as applicable**)

Signature _____ Name _____
(for Applicant/Approval Holder)

Date _____

Address all correspondence to:	The Manager Energy & Utilities Unit NSW Fair Trading PO Box 972 PARRAMATTA NSW 2124	Address: Level 11, 10 Smith Street PARRAMATTA NSW 2150	Phone: (02) 9895 0722
e-mail address:	energyapprovals@finance.nsw.gov.au		

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

FOR OFFICE USE ONLY		02/07
CERTIFICATE NO		
DATE RECD		
RECEIPT NO		
FEE		
AMOUNT RCD		

Information for applicants:

An application **WILL NOT BE ACCEPTED** unless accompanied by the prescribed fee as specified in the Explanatory Notes (*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 _____ Fax _____
 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 _____ Fax _____

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 _____

Address all correspondence to: The Manager
Energy & Utilities Unit
NSW Fair Trading
PO Box 972
PARRAMATTA NSW 2124

Address: Level 11, 10 Smith Street
PARRAMATTA NSW 2150

Phone: (02) 9895 0722

e-mail address: energyapprovals@finance.nsw.gov.au

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

CATEGORIES AND FEES FOR DECLARED AND NON-DECLARED ARTICLES (Effective 1 July 2017)	
Category 1 articles means any electrical articles of the following kind	Category 2 articles means any articles that are not Category 1 articles
Appliance Connector	
Bayonet Lampholder	All other electrical appliances (<i>electrical appliance</i> means a device in which electrical energy is consumed or substantially changed in character by conversion into heat, sound, motion, light or otherwise)
Bayonet Lampholder Adaptor	
Control or Conditioning Device	
Cord Extension Socket	
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)	

Application	Fee
1. Application for model approval (clause 5(2)(a))	
(a) for Category 1 articles	\$476
(b) for Category 2 articles	\$949
2. Application for renewal of model approval (clause 8(3)c))	\$476
3. Application for extension of a model approval	\$476
4. Application for modification of model approval (clause 11(2)(b))	\$357
5. Lodgement of notice of change of particulars of model approval (clause 13(2)):	
(a) for change of no more than 4 model approvals by means of a single notice	\$117
(b) for change to each additional model approval specified by the notice	\$34 per additional approval

FACT SHEET – NSW ELECTRICAL APPROVALS AND THE EESS

Industry Colleagues

I am emailing regarding the consumer electrical safety regime in NSW, the Queensland Electrical Safety regime, and the proposed Electrical Equipment Safety System (EESS).

My purpose in writing as the NSW consumer electrical safety regulator is to correct any misunderstanding or misinformation regarding the current requirements and NSW's participation in the proposed EESS scheme.

The *Electrical (Consumer Safety) Act 2004* and its Regulation remain the legislative framework for consumer electrical safety and equipment in NSW.

However, NSW is considering the proposal that all State and Territory regulators participate in the proposed EESS. It is not correct to say that NSW will not participate in the EESS. No formal decision either way has been made at present.

It is important to note that unless and until other Australian states and territories legislate to formally adopt the proposed EESS scheme each individual jurisdictions' existing arrangements continue to apply.

NSW Fair Trading is and will continue to approve Recognised External Approval Schemes (REAS), and to undertake electrical approvals.

I can assure you that we are committed to ensuring that whatever scheme or schemes apply in the future, NSW will work as closely and as seamlessly as possible with the other Australian and New Zealand regulators. This includes applying Mutual Recognition laws and arrangements as fully as possible, and we expect that those arrangements will be reciprocated.

On a related issue which has been raised with us by some stakeholders, it is important to recognise the distinction between ERAC and the EESS. ERAC is an important part of the co-ordination of electrical regulatory issues between states and territories. However ERAC is not a formally constituted or incorporated body. As such ERAC has no authority of its own except through the actions of the individual regulators (and governments) involved. ERAC cannot make decisions that commit governments to any particular action.

If you wish to discuss these issues with NSW directly please contact me or my colleague Lynelle Collins at EnergyApprovals@finance.nsw.gov.au.

If you have queries about the current position and plans in Queensland for transition to the proposed EESS please contact the Electrical Safety Office, Queensland.

John Tansey

Assistant Commissioner
NSW Fair Trading

December 2013

Electricity (Consumer Safety) Act 2004

Order under Section 5

I, Peter Dunphy, Executive Director, Fair Trading Specialist Services, NSW Fair Trading, Department of Finance, Services and Innovation:

- (1) revoke, on and from the date on which this Order is published in the *New South Wales Government Gazette*, the Order dated 7 March 2017 published in the *New South Wales Government Gazette* of 10 March 2017 No. 31 at page 617; and
- (2) pursuant to sections 5(2) and 5(3) of the *Electricity (Consumer Safety) Act 2004* 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 *Electricity (Consumer Safety) Act 2004* and the specifications, including modifications, specified in Schedule 1 to be those applicable to electrical articles of that class.

Signed this 14th day of May 2018

PETER DUNPHY
EXECUTIVE DIRECTOR
FAIR TRADING SPECIALIST SERVICES
NSW FAIR TRADING
DEPARTMENT OF FINANCE, SERVICES AND INNOVATION

Schedule 1

Declared Electrical Articles

Interpretation:

In this schedule a reference to:-

AS/NZS 60335.1 means AS/NZS 60335.1: 2011 +A1-4

AS/NZS 3100 means AS/NZ 3100: 2009 +A1-4 (until 13 January 2019); or
AS/NZS 3100: 2017 +A1

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: 2013 (until 24 April 2019); or
AS/NZS 60598.1: 2017

AS/NZS 61347.1 means AS/NZS 61347.1: 2016

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”

1. APPLIANCE CONNECTOR

An electrical device which -

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

but does not include -

- (c) a connector within the scope of AS/NZS 3123; or
- (d) a plug or socket-outlet within the scope of AS/NZS 3131; or
- (e) an installation coupler within the scope of AS/NZS 61535.1

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

2. AIR CONDITIONER INCORPORATING FLAMMABLE REFRIGERANT-

This definition becomes mandatory on 1 July 2020.

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 60335.1 and AS/NZS 60335.2.40: 2015

3. ARC WELDING MACHINE

An electrical appliance which –

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

The 100% rating is calculated from the square root of the marked duty cycle expressed in decimal form multiplied by the marked output current associated with the duty cycle in amperes;

but does not include –

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

Class specification:

AS 60974.6: 2006 or IEC 60974.6: 2015

4. BAYONET LAMPHOLDER

An electrical device which –

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

but does not include –

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

Class specification:

AS 61184: 2015 +A1-2

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

5. BAYONET LAMPHOLDER ADAPTOR

An electrical device which –

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

Class specification:

AS/NZS 3100 and AS 3119: 2015

6. BLANKET

An electrical appliance which –

- (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.

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.17: 2012 with +A1

7. PORTABLE BREAD TOASTER

An electrical appliance which –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.9: 2014 +A1-3

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 0.5mm² to 16mm²; 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 which -

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

but does not include –

- (c) a heated towel rail

Class specification:

Rotary type –

AS/NZS 60335.1 and AS/NZS 60335.2.11: 2009 +A1 (until 13 January 2019); or
AS/NZS 60335.1 and AS/NZS 60335.2.11: 2017

Cabinet type -

AS/NZS 60335.1 and AS/NZS 60335.2.43: 2005(R2016) +A1-2

High Speed Spin Extractor –

AS/NZS 60335.1 and AS/NZS 60335.2.4: 2010 +A1-3

10. CONTROL OR CONDITIONING DEVICE

An electrical device which –

- (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 self-contained and portable; and
- (d) connects to supply by means of a flexible cord and plug, appliance inlet or pins for engagement with a socket-outlet.

Class specification:

AS/NZS 3100 and 3105: 2014 +A1

11. COOKING APPLIANCE PORTABLE TYPE

An electrical appliance which -

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

Class specification:

Griller, roaster, or oven (including breadmaker)-
AS/NZS 60335.1 and AS/NZS 60335.2.9: 2014 +A1-3

Warming plate and similar-
AS/NZS 60335.1 and AS/NZS 60335.2.12: 2004 +A1

Frying pan, deep fryer or wok-
AS/NZS 60335.1 and AS/NZS 60335.2.13: 2010 (until 30 June 2019); or
AS/NZS 60335.1 and AS/NZS 60335.2.13: 2017

Outdoor Barbecue
AS/NZS 60335.1 and AS/NZS 60335.2.78: 2005 +A1-2

12. CORD EXTENSION SOCKET

An electrical device which –

- (a) is for attachment to a flexible cord;
- (b) has a maximum rating of 20 A at low voltage; and
- (c) has contacts whereby a detachable connection may be made with the corresponding pins of a plug or an inlet;

but does not include -

- (d) a connector or appliance connector designated in AS/NZS 3123; or
- (e) a socket outlet designated in AS/NZS 3131; 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 which -

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

but does not include -

- (d) bell push and pendant switches.

Class specification:

AS/NZS 3100 and AS/NZS 3127: 2005

14. DECORATIVE LIGHTING OUTFIT

An electrical appliance which –

- (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 mm² 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 (from 1 July 2020)

Other, including lighting chains –

AS/NZS 60598.2.20: 2018 (from 1 July 2020)

or AS/NZS 60598.1 and AS/NZS 60598.2.20: 2002 (until 30 June 2020)

15. DISHWASHING MACHINE

An electrical appliance which -

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.5: 2014 +A1

16. 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

17. EDISON SCREW LAMPHOLDER

An electrical device which -

- (a) accommodates a lamp with an Edison screw cap of 14 mm or 27 mm nominal outside diameter;

but does not include -

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

Class specification:

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

18. FAN

An electrical appliance which –

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

and includes –

- (d) any associated ancillary equipment

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.80: 2004 +A1 (until 1 July 2019); or
AS/NZS 60335.1 and AS/NZS 60335.2.80: 2016

19. FENCE ENERGISER – an electrical appliance which 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

20. 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 m².

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 60335.1 and AS/NZS 60335.2.81: 2012 (until 3 February 2019); or
AS/NZS 60335.1 and AS/NZS 60335.2.81: 2015 +A1

Other:

AS/NZS 60335.1 and AS/NZS 60335.2.17: 2012 +A1

21. FLOOR POLISHER SCRUBBER

An electrical appliance which –

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

Class Specification:

AS/NZS 60335.1 and AS/NZS 60335.2.10: 2006 +A1

22. FLUORESCENT LAMP BALLAST

An electrical device which –

- (a) is for controlling the magnitude of current flowing through the discharge path of a fluorescent lamp;
- (b) is of the independent or built-in type intended for use with luminaires (portable or fixed); or
- (c) is of the integral type, 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

23. GLUE GUN

This definition becomes mandatory on 1 July 2020

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 60335.1 and AS/NZS 60335.2.45: 2012

24. FLUORESCENT LAMP STARTER

An electrical device which –

- (a) is for starting preheat type fluorescent lamps;
- (b) is a glow-start type; and
- (c) has an enclosure of insulating material

Class specification:

AS/NZS 60155: 2000 +A1-2

25. HAIR CARE APPLIANCE

An electrical appliance which –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.23: 2012 +A1 (until 30 June 2020) or
AS/NZS 60335.1 and AS/NZS 60335.2.23: 2017

For Hair Straighteners only –

- (i) the approval period is limited to two years.
- (ii) the test report must indicate testing carried out no more than twelve months prior to the application date; and
- (iii) the test report must clearly identify the model number and brand name, OR the manufacturer must provide a clear and concise statement that clarifies any deviation from the report details.

26. HEDGE CLIPPER

An electrical appliance which –

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

Class specification:

AS/NZS 60745.1 and AS/NZS 60745.2.15: 2010

27. IMMERSION HEATER

An electrical appliance which:-

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

(c) is self-contained;

and includes -

(d) aquarium type immersion heaters.

Class specification:

Aquarium type-
AS/NZS 60335.1 and AS/NZS 60335.2.55: 2011

Portable (other than aquarium) type-
AS/NZS 60335.1 and AS/NZS 60335.2.74: 2005 +A1-2

Fixed type-
AS/NZS 60335.1 and AS/NZS 60335.2.73: 2005 +A1-2

28. INSECT ELECTROCUTOR

An electrical appliance which –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.59: 2005 +A1-3

29. INSPECTION HANDLAMP

An electrical appliance which –

- (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

30. IRON

An electrical appliance which –

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

and includes -

(d) any associated equipment.

Class specification:

Fabric steamer -
AS/NZS 60335.1 and AS/NZS 60335.2.85: 2005 +A1

Other -
AS/NZS 60335.1 and AS/NZS 60335.2.3: 2012 +A1

31. KITCHEN MACHINE

An electrical appliance which –

- (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 60335.1 and AS/NZS 60335.2.14: 2013 (until 30 June 2020); or
AS/NZS 60335.1 and AS/NZS 60335.2.14: 2017

32. LAWN CARE APPLIANCE

An electrical appliance which –

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

Class specification:

Mower (except for robotic lawn mower) -
AS/NZS 60335.1 and AS/NZS 60335.2.77: 2002 +A1

Robotic lawn mower-
AS/NZS 60335.1 and AS/NZS 60335.2.107: 2013 +A1

Trimmer (with non-metallic filament line or cutter/s)-
AS/NZS 60335.1 and 60335.2.91: 2008 +A1

Trimmer (other)-
AS/NZS 60335.1 and AS/NZS 60335.2.91: 2008 +A1

Grass Shears:
AS/NZS 60335.1 and AS/NZS 60335.2.94: 2008

33. LIGHT EMITTING SEMICONDUCTOR LAMP (SELF BALLASTED)

This definition becomes mandatory on 1 July 2020

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) is intended for connection to supply via means of lamp cap for insertion into a lampholder.

but does not include—

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

Class specification: AS/NZS 62560: 2017

34. LIQUID HEATING APPLIANCE

An electrical appliance which –

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

Class specification:

Humidifier-

AS/NZS 60335.1 and AS/NZS 60335.2.98: 2005 +A1-2

Other-

AS/NZS 60335.1 and AS/NZS 60335.2.15: 2013

35. LUMINAIRE - PORTABLE TYPE

An electrical appliance which -

- (a) is a household type;
- (b) provides illumination or for decorative purposes, produces light;
- (c) is fitted with a supply flexible cord, an appliance inlet socket or a power supply unit with integral pins for insertion into a socket 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
- (f) is 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).

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/NZS 60598.2.7: 2005. (R2016)

Other- AS/NZS 60598.1 and AS/NZS 60598.2.4: 2005 +A1 (R2016)

36. MESSAGE APPLIANCE

An electrical appliance which -

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.32: 2014

37. MICROWAVE OVEN

An electrical appliance which –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.25: 2011 +A1

38. MINIATURE OVERCURRENT CIRCUIT-BREAKER

An electrical device which -

- (a) is an enclosed air-break switch;
- (b) opens a low voltage circuit automatically under pre-determined conditions of 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 and AS/NZS 60898.2: 2004. (R2016)
(or AS 60947.2: 2015 for DC circuit breakers outside the scope of AS/NZS 60898.2); or
AS/NZS 3111: 2009 +A1-2

39. NIGHTLIGHT - MAINS SOCKET - OUTLET MOUNTED

This definition becomes mandatory on 1 July 2020

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: AS/NZS 60598.2.12: 2015

40. OUTLET DEVICE

An electrical device which –

- (a) is a household type;
- (b) as its primary function, extends supply from a socket-outlet;
- (c) is portable;
- (d) incorporates facilities for the insertion of a plug or plugs; and
- (e) has a rating not exceeding 20 A;

but does not include -

- (f) a cord extension set.

Class specification:

Integral pin type (including travel adaptor) -

AS/NZS 3100 and AS/NZS 3122: 2015

AS/NZS 3122: 2015 is modified to preclude types that can be rewired by the user.

Other:-

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

41. PLUG

An electrical device which -

- (a) makes a detachable connection between the contacts of a socket-outlet and the conductors of a flexible cord;
- (b) has two, three or four pins for insertion into a socket-outlet; and
- (c) has a 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: 2011 +A1-3 (see below)

AS/NZS 3100 and AS/NZS 3112: 2017

Note: New requirements have been added to Clause 3.1.2 and, in Paragraphs J2.3, J4.3.1, J4.8.2 through to J4.8.4.1 of Appendix J, new and pre-existing requirements are included which will run concurrently for a period of 18 months until 24/02/2019. Following this period, the pre-existing requirements are withdrawn.

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

42. POWER SUPPLY OR CHARGER

An electrical appliance which -

- (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: 2012 +A1 (until 12 February 2020); or 60065: 2018
AS/NZS 60950.1.2015; or
AS/NZS 61558.1 and AS/NZS 61558.2.16: 2010 +A1-3 (for switched mode types); or
AS/NZS 62368: 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/NZS IEC 61347.2.13: 2013
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. (for switched mode types)

Battery charger-
AS/NZS 60335.1 and AS/NZS 60335.2.29: 2004 +A1-2 (until 1 July 2020); or AS/NZS 60335.2.29: 2017

43. PROJECTOR

An electrical appliance which –

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

Class specification:
AS/NZS 60335.1 and AS/NZS 60335.2.56: 2006 +A1-2

44. RANGE

An electrical appliance which -

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

Class specification:

Fixed outdoor barbecue-
AS/NZS 60335.1 and AS/NZS 60335.2.78: 2005 +A1-2

Other-
AS/NZS 60335.1 and AS/NZS 60335.2.6: 2014 +A1

45. RANGE HOOD

An electrical appliance which –

- (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 60335.1 and AS/NZS 60335.2.31: 2013 +A1-2

46. RAZOR/HAIR CLIPPER

An electrical appliance which –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.8: 2013 +A1

47. REFRIGERATOR/FREEZER

An electrical appliance which -

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

but does not include –

- (c) wine coolers

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.1 and AS/NZS 60335.2.24: 2010 +A1

48. RESIDUAL CURRENT DEVICE

An electrical device which –

- (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:

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

49. ROOM HEATER

An electrical appliance which –

(a) is a household type; and

(b) is for heating, by electrical energy, the atmosphere for comfort purposes;

and includes –

(c) an appliance that accommodates one or more heatlamps;

but does not include -

(d) an air-conditioning appliance;

(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 60335.1 and AS/NZS 60335.2.61: 2005 +A1-2

Other-
AS/NZS 60335.1 and AS/NZS 60335.2.30: 2009 +A1-2 (until 30 June 2018); or
AS/NZS 60335.2.30: 2015 +A1-2

50. SEWING MACHINE

An electrical appliance which –

(a) is a household type; and

- (b) is for stitching fabric or other material.

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.28: 2006 +A1

51. SOCKET-OUTLET

An electrical device which –

- (a) is for fixing at a point at which fixed wiring terminates;
- (b) provides a detachable connection with the pins of a plug;
- (c) has two, three or four contacts; and
- (d) has a 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: 2011 +A1-3; or AS/NZS 3112: 2017
AS/NZS 60884.1: 2013 (including annex ZZ).

Note: In AS/NZS 3112 a transition period of 18 months from the date of publication (24/08/2017) exists for the requirements of particular clauses. In Clause 3.1.2 of AS/NZS 3112, new requirements have been added.

In Paragraphs J2.3, J4.3.1 and J4.8.2 through to J4.8.4.1 of Appendix J, new and pre-existing requirements are included. During the transition period, the new requirements as detailed above may be applied in lieu of the pre-existing requirements. All other parts of this Standard take effect from the date of publication.

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

52. SOLDERING IRON

An electrical appliance which –

- (a) is for the application or removal of solder; and
 - (b) is hand held;
- and includes -
- (c) any integral or associated power supply or controller;

but does not include –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.45: 2012

53. SUPPLY FLEXIBLE CORD

An electrical cord which –

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

Class specifications:

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

Halogen-free thermoplastic insulation cord-
EN 50525-3-11: 2011

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

54. 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 60335.1 and AS/NZS 60335.2.41: 2013

Spa pool, Spa bath or an appliance intended to circulate air or water in a conventional bath-
AS/NZS 60335.1 and AS/NZS 60335.2.60: 2006 +A1

UV radiation water treatment appliances-
AS/NZS 60335.1 and AS/NZS 60335.2.109: 2011 +A1-2

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

55. TELEVISION RECEIVER

An electrical appliance which –

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

Class specification:
AS/NZS 60065: 2012 +A1 (until 12/02/2020); or
AS/NZS 60065: 2018; or

AS/NZS 62368: 2018

56. THERAPEUTIC LAMP

An electrical appliance which –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.27: 2010 +A1-2 (until 30 June 2018); or
AS/NZS 60335.2.27: 2016 +A1

57. TOOL - PORTABLE TYPE

An electrical appliance which –

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

but does not include –

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

Class specifications:

- (a) AS/NZS 60745.1 plus the appropriate AS/NZS 60745 Series Part 2

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

- (b) AS/NZS 62841.1 plus the appropriate AS/NZS 62841 Series Part 2
- (c) Other (where an AS/NZS 60745 Part 2 or AS/NZS 62841 Part 2 is not available) AS/NZS 3100 and AS/NZS 3160

58. VACUUM CLEANER

An electrical appliance which –

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

Class specification:

Hand held garden type-
AS/NZS 60335.1 and AS/NZS 60335.2.100: 2003

Other;
AS/NZS 60335.1 and AS/NZS 60335.2.2: 2010 +A1-4

59. WALL SWITCH

An electrical device which –

- (a) is a household type; and
- (b) is either an air-break switch or, from 1 July 2020 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:

AS/NZS 3100 and AS/NZS 3133: 2013 +A1-2; or
AS/NZS 60669.1: 2013 and AS/NZS 60669.2.1: 2013

60. WASHING MACHINE

An electrical appliance which –

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

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.7: 2012 +A1-2

61. WATER BED HEATER

An electrical appliance which –

- (a) is for installation under a water bed envelope; and
- (b) heats water contained in that envelope;

and includes –

- (c) any associated control device.

Class specification:

AS/NZS 60335.1 and AS/NZS 60335.2.66: 2012

62. WATER HEATER

An electrical appliance which –

- (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 60335.1 and AS/NZS 60335.2.21: 2013 +A1

Instantaneous -

AS/NZS 60335.1 and AS/NZS 60335.2.35: 2013 +A1

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