

SINGAPORE CONSUMER PROTECTION  
(SAFETY REQUIREMENTS)  
REGISTRATION SCHEME

**Information Booklet**



**Safety Authority**  
(established since 1991)

(Revision 03)

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## **1 PREFACE**

This information booklet serves as a guide to the definitions (Appendix A) and registration of Controlled Goods and other requirements related to the Singapore Consumer Protection (Safety Requirements) Registration Scheme or CPS Scheme and can be downloaded from the website [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

The Safety Authority reserves the right to amend and introduce new requirements to the aforementioned scheme without reference to the holder of this booklet and encourages feedback from readers to ensure that improvements to this booklet could be made from time to time.

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## 2 INTRODUCTION

The objective of the Singapore Consumer Protection (Safety Requirements) Registration Scheme or CPS Scheme is to safeguard consumers' interest by ensuring household products, designated as Controlled Goods, meet the specified safety standards.

Undoubtedly, consumers today are prepared to pay for products that are safe and of high quality. The development of the CPS Scheme is therefore consistent with the growing sophistication of consumers in Singapore.

The CPS Scheme is administered by SPRING Singapore as the Safety Authority since 1991 by Ministry of Trade and Industry (MTI) under the Consumer Protection (Safety Requirements) Regulations. One of the roles of the Safety Authority under the Regulations is to ensure compliance by industry on the registration of forty-five (45) categories of Controlled Goods. The definitions and applicable safety standards of the Controlled Goods are provided in Chapter 6 of this information booklet. To further assist suppliers, some examples of controlled and non-Controlled Goods are identified in Appendix J.

Registration of Controlled Goods under the Consumer Protection (Safety Requirements) Regulations is based on Certificate of Conformity (CoC) issued by designated third party Conformity Assessment Bodies (CABs). An overall view of the registration process is shown in Appendix E.

All suppliers (please refer to Chapter 5) of Controlled Goods for consumers in Singapore must first be registered with the Safety Authority as Registered Supplier. Registered Suppliers are required to register each model of Controlled Goods with the Safety Authority. The registration must be supported with **COC** issued by designated **CABs** located in **Singapore** or **MRA partners**, i.e. **CABs (Local)** or **CABs (Foreign - MRA)** respectively.

Once the model has been registered with the Safety Authority, the Controlled Goods can then be advertised and/or supplied in Singapore.

We would like to draw your attention to **Regulation 4(1)** of the Regulations, where it is stipulated that no person shall trade, supply or advertise for the purpose of supplying any of the Controlled Goods in Singapore after the specified dates, unless the Controlled Goods are registered with the Safety Authority and are affixed with the **SAFETY Mark**. Hence, merely labelling products or stamping receipts 'For Export Only' is not an excuse for not registering Controlled Goods. **A person guilty of an offence, shall be liable on conviction, to a fine not exceeding \$10,000/- or to imprisonment for a term not exceeding two years or to both.**

### 3 WHO SHOULD BE CONCERNED WITH THIS SCHEME

#### **Consumers**

To safeguard consumers' interest, consumers are strongly encouraged to purchase Controlled Goods that are registered with the Safety Authority and are affixed with the SAFETY Mark. Registered Controlled Goods that have met the specified safety requirements aim to prevent fire, electric shock, explosion, radiation and other hazards that could result in injuries or deaths to humans and/ or damages to private properties.

To assist in identifying the registered Controlled Goods, consumers can use the Register of Registered Controlled Goods available on the website [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety) as reference when making purchases.

#### **Suppliers**

Manufacturers, importers (including parallel importers), retailers and traders who are involved in advertising and/or supplying the Controlled Goods must ensure that their obligations under the Regulations are met.

This Information Booklet aims to guide suppliers in understanding the requirements and procedures when they apply for registration of Controlled Goods. The Safety Authority will only accept applications from Registered Suppliers. A Register of Registered Suppliers is available on the website [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

**4 KEY REGULATIONS**

- Regulation 4(1): No person shall, in the course of any trade or business, supply or advertise for the purpose of supply any Controlled Goods after the effective date specified in the First Schedule unless-
- (a) such Controlled Goods are registered Controlled Goods conforming to the safety requirements specified by the Safety Authority for those goods; and
  - (b) such Controlled Goods have affixed to them the Safety Mark in accordance with Part III.
- Regulation 4(2): Where any person contravenes paragraph (1), he shall be guilty of an offence under section 11(2) of the Act, and the Safety Authority may-
- (a) require such person to effect a recall of the Controlled Goods and keep the Safety Authority informed of the progress of such recall; and
  - (b) take such steps as may be necessary to inform users of the Controlled Goods of the potential danger of such goods.
- Regulation 8(1): The registration of any Controlled Goods shall be valid for a period of 3 years or the period of validity of the certificate of conformity of the Controlled Goods, whichever is the less, and may be renewed.
- Regulation 24(4)(a) : A Registered Supplier who fails or neglects to effect a recall of the registered Controlled Goods required by the Safety Authority under paragraph (2)(b)(i) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$2,000 or to imprisonment for a term not exceeding 12 months or to both.

## 5 PARTIES THAT NEED TO APPLY FOR REGISTRATION

Only one party in the chain of supply of the Controlled Goods in Singapore needs to register the Controlled Goods with the Safety Authority. No party shall be allowed to advertise and/or supply the Controlled Goods unless they have been registered with the Safety Authority. The registration is non-transferable and will be withdrawn when the party registered as '**Registered Supplier**' ceases to supply the Controlled Goods registered by it, for instances, where it ceases to carry on such business or is no longer registered with the Accounting & Corporate Regulatory Authority (ACRA) [formerly known as Singapore Registry of Companies and Businesses (RCB)].

### Importer

Importers who import Controlled Goods that are meant for sale in Singapore are required to apply for registration with the Safety Authority. No registration is needed if the Controlled Goods are meant for export only. However, these 'For Export Only' Controlled Goods shall not be advertised, supplied, displayed in any retail outlets and/or made available for sale in Singapore under any circumstances. Merely labelling the Controlled Goods or stamping the receipts with '**For Export Only**' is also not allowed.

### Parallel Importer

Any parallel importer of the same brand and model of Controlled Goods are also required to apply for registration.

### Retailer

Retailers are only required to apply for registration if they import the Controlled Goods themselves.

### Manufacturer

Unless another party in the chain of supply has already registered the Controlled Goods with the Safety Authority, manufacturers in Singapore who supply the Controlled Goods to be sold in Singapore are required to apply for registration.





### New Distributor

Since the **Certificate of Conformity (CoC)** is not transferable, when a company (Registered Supplier) relegates its ownership of its registered Controlled Goods to another business entity, the latter has to re-register the Controlled Goods with the Safety Authority. Where the current Registered Supplier allows the new distributor to take over its existing registered Controlled Goods, submission of an authorisation letter from the former to the Safety Authority is required for the re-registration of the Controlled Goods for the latter. The letter must also indicate the effective date of taking over. Otherwise, the new distributor has to go to a **CAB (Local)** or **CAB (Foreign - MRA)** to obtain the CoC prior to having the Controlled Goods re-registered with the Safety Authority.


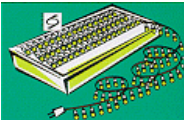







## 6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS



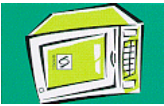




Controlled Goods are required to be tested to the minimum edition of the safety standards stated in this chapter. In addition to the specified safety standards, Controlled Goods are required to fulfil the Safety Authority's Requirements which are specified in Chapter 7.

Controlled Goods	Definitions	Safety Standards
<b>Air cooler</b> 	An electrically operated appliance for agitating the air equipped to use water as a cooling medium and its associated regulator intended for use on single phase a.c. and d.c. circuits not exceeding 250V for household and similar purposes.	IEC 60335-2-98: 2002
<b>Adaptor</b> 	A device designed to supply a.c. or d.c. power from an a.c. or d.c. source, either by itself or as part of an accessory, for applications such as computers, telecommunication equipment, home entertainment equipment or toys.	(applicable for electrical appliances) IEC 61558-2-6: 1997 or IEC 61558-2-16: 2009
		(applicable for electronic appliances) IEC 60065: 2001
		(applicable for computer / telephonic appliances) IEC 60950-1: 2001
		(applicable for shavers) IEC 60335-2-8: 2002
		(applicable for battery chargers) IEC 60335-2-29: 2002 with A1 or IEC 60335-2-29: 2004
		(applicable for LED lightings) IEC 61347-2-13: 2006
		(applicable for table/standing lamps) IEC 60598-2-4: 1997
<b>Any other audio products</b> 	Any other electronic device (other than High-fidelity set) for the reproduction of sound, connected to the supply mains, either directly or indirectly.	IEC 60065: 2001
<b>Cooking range</b> 	A device for cooking and includes separate stationary ovens and grills, cooking table cookers, hob elements, grills and griddles which form part of cooking ranges, and ovens and grills for installation in walls except a cooking range having a mass of less than 18kg.	IEC 60335-2-6: 2002







**6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS**

Controlled Goods	Definitions	Safety Standards
Coffee maker, slow cooker, steam boat and similar appliances 	An electrically operated appliance that heats water up to high temperatures in the course of food and beverage preparation.	IEC 60335-2-15: 2002
Decorative lighting fixture 	Lighting chains fitted with a series or parallel connected incandescent lamps for use either indoors or outdoors on supply voltages not exceeding 250 volts.	IEC 60598-2-20: 2002
Hair dryer 	An electrically operated appliance intended to be used for the drying of hair of persons and incorporating heating elements.	IEC 60335-2-23: 2003
Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories) 	A microprocessor based data system with compact, local computing and calculating power on high definition graphics and with flexible data communication interfacing.	IEC 60950-1: 2001
High-fidelity set 	An electronic device for reproduction of sound, with little distortion, connected to the supply mains as the only energy source intended for domestic and similar general indoor use with a rated supply voltage not exceeding 250 volts rms.	IEC 60065: 2001
Iron 	An electrically operated appliance with heated soleplate for ironing of clothes, for household and similar purposes.	IEC 60335-2-3: 2002
Immersion water heater 	A portable household apparatus for heating liquid by immersing an electrically heated rod into it.	IEC 60335-2-74: 2002







## 6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS

Controlled Goods	Definitions	Safety Standards
<b>Kettle</b> 	<p>Namely an electrically operated household appliance for heating of water for consumption, having a rated capacity not exceeding 10 litres.</p>	IEC 60335-2-15: 2002
		IEC 60335-2-21: 2004 (hot water dispenser-storage type)
		IEC 60335-2-35: 2002 (hot water dispenser-instantaneous type)
<b>Laser disc set</b> 	<p>An electronic device for video recording and play-back or laser disc for play-back only connected to the supply mains, either directly or indirectly, and intended for domestic and similar general indoor use.</p>	IEC 60065: 2001
<b>Microwave oven</b> 	<p>An electrically operated appliance for heating food and beverages using electromagnetic energy (microwaves) in one or more of the I.S.M. frequency bands between 300 MHz and 30 GHz and intended for household use. These appliances may also incorporate a browning function.</p>	IEC 60335-2-25: 2002
<b>Mobile split air-conditioner</b> 	<p>An encased mobile assembly designed to provide delivery of conditioned air to an enclosed space, room or zone, including an electrically operated refrigeration system for cooling and possibly dehumidifying the air.</p>	IEC 60335-2-40: 2002
<b>Mixer, blender, mincer and similar appliances</b> 	<p>An electrically operated machine for food and beverage preparation and intended for household use.</p>	IEC 60335-2-14: 2002
<b>Refrigerator</b> 	<p>A self-contained assembly consisting of a thermally insulated cabinet for the storage and preservation of foodstuffs above 0°C and of a refrigerating unit operating on the vapour compression principle and arranged to extract heat from within the cabinet, whether or not with one or more freezer compartments.</p>	IEC 60335-2-24: 2000
<b>Rice cooker</b> 	<p>An electrically operated household appliance for cooking rice.</p>	IEC 60335-2-15: 2002






## 6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS

Controlled Goods	Definitions	Safety Standards
Room air-conditioner 	A self-contained assembly designed as a unit, primarily for mounting in a window or through the wall or as a console. It is designed primarily to provide free delivery of conditioned air to an enclosed space, room or zone (conditioned space). It includes a prime source of refrigeration for cooling and dehumidification and means for the circulation and the cleaning of air, and a drain arrangement for collecting and/or disposing any condense. It may also include means for humidifying, ventilating or exhausting air.	IEC 60335-2-40: 2002
Television / video display unit 	Namely an electronic device for receiving and displaying information from a transmitting station or local source. The device is to be connected to the supply mains either directly or indirectly, and intended for domestic and similar general indoor use.	IEC 60065: 2001
Table / standing fan 	An electrically operated appliance for agitating the air, and their associated regulator intended for use on single-phase a.c. and d.c. circuits not exceeding 250V and intended for household and similar purposes.	IEC 60335-2-80: 2002
Table lamp/ standing lamp 	A portable general purpose luminaire, other than handlamps, for use with tungsten filament, tubular fluorescent and other discharge lamps connected to the supply mains, either directly or indirectly.	IEC 60598-2-4: 1997
Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances 	Namely electric appliances connected to the supply mains, which make use of direct or indirect (e.g. heated medium such as air and cooking oil) heat for food preparation and intended for household use.	(applicable for toaster, hot plate (including induction type), grill, oven and similar appliances) IEC 60335-2-9: 2002
		(applicable for deep fryer, electric wok and similar appliances) IEC 60335-2-13: 2002
		(applicable for outdoor electric barbeque grill) IEC 60335-2-78: 2002
Video cassette recorder 	An electronic device for video recording and playback or for playback only, connected to the supply mains either directly or indirectly, and intended for domestic and similar general indoor use.	IEC 60065: 2001

**6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS**

Controlled Goods	Definitions	Safety Standards
Vacuum cleaner 	A machine which removes dirt and dust by the suction produced by a motor-driven air pump, and intended for household use and similar purposes.	IEC 60335-2-2: 2002
Washing machine 	An electrically operated appliance intended for washing clothes and textiles (whether or not with means for water heating), for water extraction or for drying.	IEC 60335-2-7: 2000
Wall fan / Ceiling fan 	An electric fan and its associated regulator intended for mounting on the wall or ceiling and for use on a single-phase a.c. and d.c. circuit not exceeding 250V for household and similar purposes.	IEC 60335-2-80: 2002 and SS 360: 1992 (sub-clauses 5.7 & 5.8 only) (applicable for ceiling fan)
Components of the LPG gas system – Hose 	A hose for use in domestic Liquefied petroleum (LPG) vapour phase and liquefied petroleum gas or air appliances not exceeding 5KPa (50 mbar) operating pressure.	SS 233: 1996 or SS 233: 2013
Components of the LPG gas system – Regulator 	A non-adjustable device that maintains the outlet pressure constant at a nominal value upto and including 50 mbar, independent, within specified limits, of inlet pressure or flow rate.	SS 281: 1984
Components of the LPG gas system – Valve 	A device that is made from brass, bronze or aluminum forging, for use with domestic liquefied petroleum gas cylinders, for control of the direction and volume of flow of the liquefied petroleum gas.	SS 294: 1998

## 6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS



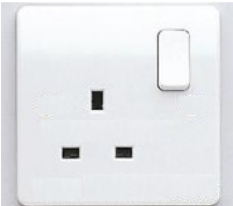

Controlled Goods	Definitions	Safety Standards
Gas cooker 	A domestic appliance combining burners for cooking by gas.	EN 30-1-1: 2008 or EN 30-1-1: 1998 (valid till 31 December 2014) or AS 4551: 2008 (gas cooker)
		EN 30-1-2: 2012 (forced-convection gas oven)
		EN 30-1-3: 2003 (glass-ceramic gas hob with enclosed covered burner)
		EN 30-1-4: 2012 and IEC 60335-2-102: 2004 (gas cooker with automatic burner control system)
Gas canister 	A non-refillable metallic container up to 1.4 litres capacity filled with liquefied petroleum gases.	SS 400: 1997
Portable cooking gas appliance 	A portable cooking appliance that uses liquefied petroleum gas, obtained from a gas canister (A non-refillable metal container up to 1.4 litres capacity filled with liquefied petroleum gases), as fuel.	SS 401: 1997
3-pin rectangular type 13-amp plug 	A portable fused device having projecting pins designed to engage with the contacts of a corresponding socket-outlet. A plug also incorporates means for the electrical connection and the mechanical retention of a suitable flexible cord.	SS 145: Part 1: 1997
Fuse ( $\leq 13$ amperes) for use in plug 	A device that, by the fusion of one or more of its specially designed and proportioned components, opens the circuit in which it is inserted and breaks the current when this exceeds a given value for a sufficient time. The fuse comprises all the parts that form the complete device.	SS 167: 1977



**6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS**


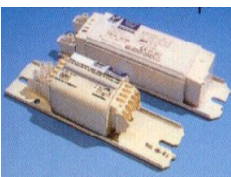
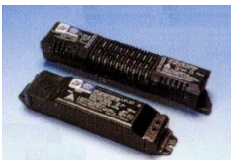
Controlled Goods	Definitions	Safety Standards
3-pin round type 15-amp plug 	A device carrying three metallic plug pins substantially cylindrical in form intended for engagements with corresponding socket contacts arranged for connection to a suitable flexible cord.	SS 472: 1999
Multi-way Adaptor 	An Adaptor having more than one set of socket contacts (the socket contacts may or may not be of the same type or rating as the plug pin portion)	SS 246: 2004
3-pin portable socket-outlet 	An accessory having a set of three socket-contacts designed to engage with the pins of a corresponding plug and having means for the electrical connection of appropriate cables or flexible cords, for connection to, or integral with, a flexible cord, and which can be easily moved from one place to another while connected to the supply.	SS145: Part 2: 1997
Portable cable reel 	A device comprising a flexible cable or cord attached to a reel so constructed that the flexible cable may be completely wound onto the reel, and provided with a plug and one or more socket outlets.	SS 307: 1996
Instantaneous electric water heater 	An electrically operated stationary appliance for household and similar purposes and intended for heating water below boiling temperature with its rated voltage not more than 250 V for single-phase appliances and 480 V for other appliances.	SS 146: Part 2: 5: 2007

**6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS**

Controlled Goods	Definitions	Safety Standards
Mains pressure electric storage water heater 	An electrically operated stationary appliance for household and similar purposes and intended for storing and heating water below boiling temperature with its rated voltage not more than 250 V for single-phase appliances and 480 V for other appliances.	SS 146: Part 2: 8: 2007
Residual Current Circuit Breaker (RCCB) 	Residual Current Circuit Breaker (RCCB) namely a device intended to protect persons against indirect contact, the exposed conductive parts of the installation being connected to an appropriate earth electrode.	SS 97: Part 1: 2005
3-pin 13-amp socket-outlet 	3-pin 13-amp socket-outlet namely a 13A shuttered socket-outlet in single or multiple arrangements with associated controlling switches, for flush mounting in suitable box or for surface or panel mounting. The socket-outlet is suitable for the connection of portable appliances, sound-version equipment, luminaries, etc., in a.c. circuits only operating at voltage not exceeding 250 V r.m.s. at 50 Hz.	SS 145: Part 2: 1997
		BS 4177: 1992 (cooker control unit)  BS 7288: 1990 (socket-outlet with RCD)
3-pin round type 15-amp socket-outlet 	3-pin round type 15-amp socket-outlet namely a 15A shuttered socket-outlet which contains switch connected between the current carrying contact of the socket-outlet and the relevant supply terminal for flush mounting in suitable box or for surface or panel mounting. The socket-outlet is suitable for the connection of electrical appliances in a.c. circuits only operating at voltage not exceeding 250 V r.m.s. at 50 Hz.	SS 472: 1999



## 6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS

Controlled Goods	Definitions	Safety Standards
Domestic electric wall switch 	Domestic electric wall switch namely a manually operated general purpose switch for a.c. only with a rated voltage not exceeding 440V and a rated current not exceeding 63A, intended for household and similar fixed-electrical installations, either indoors or outdoors.	IEC 60669-1: 1998
		SS 403: 1997 (13A fused connection units switched)
Ballast for tubular fluorescent lamp 	Ballast for tubular fluorescent lamp namely a unit inserted between the supply and one or more fluorescent lamps which, by means of inductance, capacitance or a combination of inductance and capacitance or electronic circuitry, serves mainly to limit the current of the lamp(s) to the required value.	(magnetic type) IEC 61347-2-8: 2000
		(electronic type) IEC 61347-2-3: 2000
Isolating transformer for downlight fitting 	Isolating Transformer for downlight fitting namely a transformer with input and output windings which are electrically separated to limit hazards due to accidental simultaneous contact with earth and live parts or metal parts which may become live in the event of an insulation failure.	(magnetic type) IEC 61558-2-6: 1997
		(electronic type) IEC 61347-2-2: 2000
		IEC 61347-2-13: 2006 (for LED downlight)

**7 SAFETY AUTHORITY'S REQUIREMENTS**

The Safety Authority monitors the safety of the Controlled Goods sold in Singapore by investigating all complaints, incidents and accidents reported to the authority. Acquired information will be leveraged upon to develop the operational interventions within the Safety Authority's Requirements. These requirements are to be fulfilled in addition to the applicable safety standards.

No	Items	Requirements
<b>Applicable to all products</b>		
1	Test report and test certificate	Test report including its test certificate (if applicable) more than three (3) years shall be rejected.
2	Controlled Goods incorporated with additional function	The additional function must be tested to its applicable safety standard.
<b>Applicable to all electrical products</b>		
3	All appliances	All appliances must be tested to 230 VAC, 50 Hz.
4	Voltage selector (voltage mis-match test)	Appliance fitted with voltage selector shall be tested as follows: Connect appliance to 230 VAC mains with voltage selector switch to settings not suitable for operation at 230 VAC.
5	Tropical condition test	All appliances (with tropical test requirements in applicable Standards) shall comply with the tropical condition test as stated in the relevant IEC Standards.
6	Class I appliances (3-pin mains plug)	All Class I appliances must be fitted with 3-pin mains plugs complied with SS 145/SS 472 that are registered with the Safety Authority.
7	Class II appliances (mains plug)	a) All Class II appliances must be fitted with 2-pin mains plug (Appendix T) complied with EN 50075. b) Class II appliances that are fitted with 3-pin mains plugs must use plugs that are complied with SS 145 and registered with the Safety Authority.
8	Appliances rated $\geq 3$ kW or connected to fixed wiring	Electric appliance $\geq 3$ kW must be connected to fixed wiring. All connection to fixed wiring must be in accordance with Code of Practice CP5.
9	Detachable power cord set (consists of mains plug, mains cord and appliance connector)	Detachable power cord set must be listed in the test report critical component list.
10	Circuit diagrams	Circuit diagrams must be indicated with component's values for products tested to IEC 60065 and IEC 60950.
11	Circuit diagrams of electronic modules in electrical appliances	Circuit diagrams of the electronic modules in the electrical appliances must be provided.
12	Controlled Goods likely to be treated as toy by children	Controlled Goods, having an enclosure, which is shaped and decorated so that it is likely to be treated as a toy by children, shall not be accepted for certification and registration.


**7 SAFETY AUTHORITY'S REQUIREMENTS**

No	Items	Requirements
13	Controlled Goods with rated voltage that are not suitable for local supply voltage	<p>a) Controlled Goods with rated voltage that are not suitable for local supply voltage will not be allowed for registration unless they are supplied with step-down isolating transformer and are tested together with the transformer as a complete set.</p> <p>b) A test to ensure that the Controlled Goods shut-down/fail safely should the consumer accidentally plugs the product directly into the 230 V mains supply socket outlet without using the isolating step-down transformer shall be conducted.</p>
14	Controlled Goods with direct plug-in 3-pin (eg. 3-pin AC adaptor, 3-pin Power Line Adaptor)	Test report showing that the 3-pin (Appendix U) complied with sub-clauses 12.1 & 12.3 of SS 246 or BS 1363-3 shall be provided.
15	Controlled Goods with direct plug-in 2-pin (eg. 2-pin AC adaptor, 2-pin Power Line Adaptor)	The 2-pin (Appendix U) shall be in accordance with EN 50075.
<b>Applicable to electric airport</b>		
16	Reboil switch	No part of the reboil switch is allowed to protrude into the water pot, even if it is located above the maximum water level mark.
<b>Applicable to AC adaptor</b>		
17	Detachable power supply cord set not supplied by Registered Supplier	<p>a) Registered Supplier who is not supplying the detachable power supply cord set together with the AC Adaptor must provide written instruction to its customer on the type of approved detachable power cord set to use and declare to Conformity Assessment Body when applying for Certificate of Conformity.</p> <p>b) This requirement is only applicable to Register Supplier whose core business is supplying AC Adaptor or its Registered Supplier name is affiliated with the AC Adaptor's manufacturer.</p>
18	AC Adaptor incorporated with 13A socket-outlet	Additional tests clauses to 13, 17 and 18 of SS 246 would be required.
<b>Applicable to computer products</b>		
19	CD/DVD ROM (used in personal computer)	Test certificate showing that CD/DVD ROM has complied with IEC 60825-1 must be provided.
20	Modem Card (used in personal computer)	Modem card incorporated in the personal computer must be tested at set level (sub-clauses 5.1 & 6 of IEC 60950) or at component level.
21	Powerline Ethernet Adaptor incorporated with 13A socket-outlet	Additional tests to clauses 13, 17 and 18 of SS 246 would be required.
<b>Applicable to ceiling fan and cycle fan</b>		
22	Ceiling fan and cycle fan	<p>a) These appliances must be tested to sub-clauses 5.7 and 5.8 of SS 360: 1992.</p> <p>b) Installation instruction must mention the 3 expansion bolts for fastening the main suspension, safety cord, expansion bolt with hook for fastening safety cord and mounting plate. (Appendix Q)</p>

**7 SAFETY AUTHORITY'S REQUIREMENTS**

<b>23</b>	Decorative ceiling fan	<p>a) Decorative ceiling fan submitted to Conformity Assessment Body (CAB) for certification shall subject to conformity check. CAB shall request a new sample and check the identical safety components are listed in the test report of IEC 60335-2-80. The check also covers the minimum dimension requirements and availability of the safety cord indicated in the test report of sub-clauses 5.7 &amp; 5.8 of SS 360.</p> <p>b) Drawing (Appendix P) to show that the wires within the motor shaft are not stressed must be provided.</p>
<b>Applicable to portable/wall socket-outlet and portable cable reel</b>		
<b>24</b>	Portable/wall socket-outlet and portable cable reel	<p>a) If residual current device (RCD) is incorporated, its tripping current must be less than 30mA and operating time must be less than 0.1 second and testing to sub-clauses 9.9.2.1, 9.9.2.2, 9.9.2.3 and 9.16 of SS 97: Part 1: 2000 are required.</p> <p>b) The shutters screening the current-carrying socket contacts shall not be opened by the insertion of any corresponding SINGLE pin of the plug into any current-carrying socket aperture.</p>
<b>25</b>	Wall switched socket-outlet (2 x single socket-outlet)	Single socket-outlet with 2-gang faceplate/frame must be fulfilled with the test requirements as 2-gang socket-outlet.
<b>26</b>	Remote controlled wall socket-outlet	Remote controlled wall socket-outlet shall not be allowed for registration.
<b>Applicable to roaster</b>		
<b>27</b>	Roaster	<p>A metal ring (Appendix V) must be provided to prevent the roaster from falling off in case of the glass bowl shattered.</p> <p>If supplier has other method, approval would be required from the Safety Authority.</p> <p>Note: This requirement is not applicable to roaster that is provided with metal bowl.</p>
<b>Applicable to gas appliances</b>		
<b>28</b>	Test pressure of town gas for gas appliances	All gas appliances must be tested to 20 mbar for town gas.
<b>29</b>	Specifications of LPG and Town Gas	All gas appliances must be tested to the specifications stated on Appendix W.
<b>30</b>	Gas appliances tested to EN 30-1-1: 1998/2008	Testing to sub-clause 6.1.6 (Temperature of the LPG cylinder and its compartment) and sub-clause 6.2.1 (Ignition, cross-lighting and flame stability) must be carried out.
<b>31</b>	Flame failure device (FFD) incorporated in gas appliances	<p>a) Test report/certificate showing that the FFD complied with EN 126: 1995 or EN 125: 1991 for gas appliance tested to EN 30-1-1 or AG 204: 1984 for gas appliance tested to AG 101 at component level must be provided.</p> <p>b) Testing to sub-clause 6.1.3 of EN 30-1-1 or sub-clause 3.6.13 of AG 101 at set level must be carried out.</p>
<b>32</b>	Gas oven	It is compulsory for all gas ovens to be fitted with flame failure device.

**7 SAFETY AUTHORITY'S REQUIREMENTS**

33	Toughened glass gas hob	<p>a) A brochure, entitled 'Toughened Glass – A Shattering Experience?' must be included for each toughened glass gas hob put up for sale. (Order for the brochure can be placed with the Safety Authority)</p> <p>b) Toughened glass gas hob tested to EN 30-1-1 would require any of the following testing and compliance:</p> <ul style="list-style-type: none"> <li>• sub-clauses 2.1.15, 2.1.16, 2.1.18, 2.10.9.5, 2.11.2.2 &amp; 5.7.5 of AG101: 1998 / AS 4551: 1998</li> <li>• sub-clauses 2.1.16(a), 2.1.17, 2.1.19, 2.10.9(e), 2.11.2.2 &amp; 5.7.5 of AG101: 2000 / AS 4551: 2000</li> <li>• sub-clauses 2.1.16(a), 2.1.17, 2.1.19, 2.10.8.3(e), 2.11.3(g) &amp; 5.8.4 of AS 4551: 2008</li> </ul>																																							
34	Gasket for elbow joint of gas cooker	Installation instruction must mention about the fixing of gasket for the elbow joint, if applicable. (Appendix R)																																							
35	Glass-ceramic gas hob with enclosed covered burner (simulated gas explosion test)	The gas hob must be subject to 'simulated gas explosion' test. The hob is filled with an explosive mixture of gas and detonated with a source of ignition.																																							
36	Material of gas hob cook top	Different material requires separate certification and registration. Eg. stainless steel, enamel, stone, toughened-glass, ceramic-glass																																							
37	Gas canister	<p>a) All registered gas canisters shall be subjected to batch test conducted by the laboratory who conducted the full-type test in accordance with the sampling plan as shown below:</p> <table border="1"> <tr> <th>Batch size</th><th>Sampling size</th><th>Acceptable failure size</th></tr> <tr> <td>1-3200</td><td>13</td><td>2</td></tr> <tr> <td>3201-35000</td><td>20</td><td>3</td></tr> <tr> <td>35001-150000</td><td>32</td><td>5</td></tr> </table> <p>b) The sampled gas canisters shall be tested to the following clauses of SS 400 as follows:</p> <table border="1"> <tr> <th rowspan="2">Clause</th><th colspan="3">Sample size</th></tr> <tr> <th>13</th><th>20</th><th>32</th></tr> <tr> <td>4.4 (Pressure in canister)</td><td>5</td><td>8</td><td>14</td></tr> <tr> <td>6 (Dimensions)</td><td>1</td><td>1</td><td>1</td></tr> <tr> <td>8.2.3 (Drop)</td><td>3</td><td>5</td><td>8</td></tr> <tr> <td>8.2.9 (Repeated-use)</td><td>3</td><td>5</td><td>8</td></tr> <tr> <td>10 (Markings)</td><td>1</td><td>1</td><td>1</td></tr> </table> <p>c) Registered gas canister shall be affixed with 'SAFETY Mark' and 'batch test sticker'. Both labels shall be affixed either on an individual canister, the packaging of two canisters or packaging of three canisters.</p> <p>d) Sample of batch test sticker is as shown below:</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Name of RTL</p>  <p>BATCHED INSPECTED</p> <p>Serial Number</p> </div>	Batch size	Sampling size	Acceptable failure size	1-3200	13	2	3201-35000	20	3	35001-150000	32	5	Clause	Sample size			13	20	32	4.4 (Pressure in canister)	5	8	14	6 (Dimensions)	1	1	1	8.2.3 (Drop)	3	5	8	8.2.9 (Repeated-use)	3	5	8	10 (Markings)	1	1	1
Batch size	Sampling size	Acceptable failure size																																							
1-3200	13	2																																							
3201-35000	20	3																																							
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8.2.9 (Repeated-use)	3	5	8																																						
10 (Markings)	1	1	1																																						

**7 SAFETY AUTHORITY'S REQUIREMENTS**

<b>38</b>	Installation manual or installation instructions for gas cookers	All registered gas cookers shall be supplied with installation manual or installation instructions within the operating manual, user's manual, user's guide, etc. which shall also include safety instructions for use of the gas cooker.
<b>Applicable to Residual Current Circuit Breaker (RCCB)</b>		
<b>39</b>	RCCB	Registration of RCCB is limited to those with 30 mA sensitivity and the operating time must be less than 0.1 second. Electronic RCCB will not be accepted for registration.
<b>Applicable to electric instantaneous and storage water heater</b>		
<b>40</b>	Instantaneous electric water heater and mains pressure electric storage water heater	a) Heating elements used must not be of the 'bare-element' type. b) Registered Supplier must declare that the water heater is not using bare heating element when applying Certificate of Conformity with Conformity Assessment Body.
<b>41</b>	Water heater incorporated with residual current device(RCD)	Testing to sub-clauses 9.9.2.1, 9.9.2.2, 9.9.2.3 and 9.16 of SS 97: Part 1: 2000 are required.
<b>42</b>	Pressure-relief device (for closed storage water heater)	a) Closed water heaters having a rated pressure of 0.6 MPa and above shall be provided with a pressure-relief device. b) Pressure-relief devices shall prevent the pressure in the container from exceeding the rated pressure by more than 0.1 MPa.
<b>43</b>	Thermal cut-out (for closed instantaneous and storage water heater)	a) Closed water heaters shall incorporate a thermal cut-out providing all-pole disconnection and which operates independently from the thermostat. b) Registered Supplier must declare that the water heater is incorporated with a thermal cut-out providing all pole disconnection when applying Certificate of Conformity with Conformity Assessment Body.
<b>Applicable to multi-way adaptor</b>		
<b>44</b>	Multi-way adaptor with 3-pin socket-outlets or combination of 3-pin and 2-pin socket-outlets	a) The socket contacts of the adaptor shall only accept 13A 3-pin mains plug complying with SS 145 and/or 2.5A 2-pin mains plug complying with EN 50075. b) The shutters screening the current-carrying socket contacts shall not be opened by the insertion of any corresponding <b>SINGLE</b> pin of the plug into any current-carrying socket aperture. c) A barrier or other acceptable means shall be provided on the engagement surface of the 2.5A 2-pin socket-outlet of the adaptor to PREVENT entry of any types of 2-pin mains plugs except those complying with EN 50075. ( <b>note: shutters cannot be regarded as barriers</b> ) d) Adaptor incorporates with switch would require additional test to sub-clauses 13.11, 17.1.3 and 18.1.3 of SS 145: Part 2: 1997.
<b>Applicable to plasma/LCD display monitor</b>		
<b>45</b>	Plasma/LCD display monitor with TV tuner	Plasma/LCD display monitor tested to IEC 60950 would require additional test to clauses 9 (related to antenna only), 10.1, 10.2, 10.3 and 12.5 of IEC 60065.

**7 SAFETY AUTHORITY'S REQUIREMENTS**

<b>Applicable to table lamp / standing lamp</b>		
<b>46</b>	Child appealing table lamp/standing lamp	Child appealing table/standing lamp will not be allowed for registration unless it is powered by an AC Adaptor. Only the AC Adaptor would need registration.
<b>Applicable to hot/warm &amp; cold water dispenser</b>		
<b>47</b>	Hot & cold water dispenser	<p>a) Hot water dispenser which has below boiling temperature shall be tested to IEC 60335-2-21 or IEC 60335-2-35.</p> <p>b) Testing to IEC 60335-2-24 shall be required if the water dispenser is incorporated with compressor for dispensing cold water.</p>
<b>Applicable to high risk Controlled Goods</b>		
<b>48</b>	Renewal of registration for high risk Controlled Goods	<p>Application for renewal of registration of high risk Controlled Goods shall be supported with a valid new test report that is within 3 years when submitted to the Conformity Assessment Body for re-certification. This will take effect for registrations that would expire on or after 1 January 2015.</p> <p>The following Controlled Goods are deemed as high risk:</p> <ul style="list-style-type: none"> <li>• Gas Cooker</li> <li>• Portable cooking gas appliance</li> <li>• Components of LPG system (hose, regulator &amp; valve)</li> <li>• 3-pin 13-amp socket outlet</li> <li>• 3-pin round type 15-amp socket outlet</li> <li>• Instantaneous electric water heater</li> <li>• Mains pressure electric storage water heater</li> <li>• Ballast for fluorescent lamp</li> <li>• Refrigerator</li> <li>• Domestic electric wall switch</li> <li>• LED driver for LED downlight fitting</li> </ul>

## 8 REGISTRATION OF SUPPLIER OF CONTROLLED GOODS

Suppliers who wish to supply the Controlled Goods into Singapore would first have to register with the Safety Authority before submitting their Controlled Goods to a CAB (Local) or CAB (Foreign – MRA) for certification. The suppliers having completed the registration process with the Safety Authority will thereafter be referred to as 'Registered Suppliers'. The Registered Suppliers can decide later whether or not to supply the Controlled Goods. Registration is free-of-charge. A flow-chart for registration of supplier of Controlled Goods is found in Appendix B.

There are two ways that the supplier can submit the application for registration as a supplier of Controlled Goods as follows:

- By hardcopy
- Duly completed Form RS01 (Appendix G)
- A copy of the Certificate of Incorporation of Private Company or Certificate of Registration issued by ACRA
  
- By online e-Registration
- Go to <https://cpsa.spring.gov.sg>
- Click 'e-Registration of Registered Supplier' under NEW APPLICATION
- Follow the instructions as provided in the 'e-Registration of Registered Supplier'

Upon successful registration, the supplier will receive the following:

- (a) Notification of the Registered Supplier's Code
- (b) Softcopy of the SAFETY Mark bromide

and may approach any of the Designated Conformity Assessment Body (CAB) listed in Appendix X and Y to apply for Certificate of Conformity (CoC).



## 9 REGISTRATION OF CONTROLLED GOODS

The Registered Supplier when decides to supply Controlled Goods in Singapore shall submit application to CAB (Local) or CAB (Foreign – MRA) (Appendix X & Y) for certification. The CAB (Local) or CAB (Foreign-MRA) shall, upon receipt of the application, issue certification number to the Registered Supplier to assist them in preparation of the SAFETY Mark.

After the Controlled Goods have been successfully certified, the CAB (Local) or CAB (Foreign-MRA) shall issue Certificate of Conformity (CoC) (Appendix K) to the Registered Supplier. The Registered Supplier, CAB (Local) or CAB (Foreign-MRA) shall submit the CoC with registration fee of \$180 (excluding GST) to the Safety Authority or via online for registration of the certified Controlled Goods.

Upon receipt of the CoC, an Acknowledgement Receipt for Certificate of Conformity (LOA) (Appendix M) shall be issued. Registered Supplier who has CoC from CAB (Foreign-MRA) must provide a letter of authorisation from the holder of the CoC. With the LOA, the Registered Supplier shall affix the SAFETY Mark (Chapter 13) either on the registered Controlled Goods or their packaging and commence supply.

Registered Supplier who has test report issued by the Recognised Testing Laboratory (RTL) (Appendix Z) or Testing Laboratory of the CAB (Local) (Appendix X) or CAB (Foreign-MRA) (Appendix Y) can apply to the CABs (Local) for certification of their Controlled Goods. The CAB (Local) shall certify the Controlled Goods without re-testing unless the test report is found not to be in full compliance to the safety requirements specified in this booklet.

In cases where there is/are modification(s) to the registered Controlled Goods, the Registered Supplier is required to inform the CAB (Local) or CAB (Foreign-MRA) or the Safety Authority depending on the type of modification(s) described in Chapter 12.

The Registered Supplier is required to maintain a Technical File for each registered Controlled Goods as specified in Chapter 14. A flow-chart for registration of Controlled Goods is found in Appendix C.

### How to register the certified Controlled Goods?

- Submit the CoC with the registration fee of \$180 plus GST to the Safety Authority. Payment by cheque shall be made to 'SPRING Singapore'; or
- Submit the CoC with online payment (via website) at <https://cpsa.spring.gov.sg>.

**10 CERTIFICATE OF CONFORMITY**

The Certificate of Conformity (CoC) is valid for three (3) years. Registered Suppliers who wish to continue supplying their registered Controlled Goods beyond three (3) years shall approach the CABs (Local) or CABs (Foreign-MRA) for re-certification before the CoC expires regardless of any changes to the Controlled Goods. A new CoC bearing the same certification number shall be issued. The Registered Suppliers shall submit the new CoC to the Safety Authority for renewal of the registered Controlled Goods. A flow-chart for renewal of registered Controlled Goods is found in Appendix D.

Registered Suppliers who own CoC without registering with the Safety Authority are not allowed to supply the certified Controlled Goods to the domestic market as the goods will be deemed as 'non-registered Controlled Goods'. Any person supply non-registered Controlled Goods shall be guilty of an offence under Section 11(2) of the Consumer Protection (Trade Descriptions and Safety Requirements) Act (Chapter 53).

**Renewal of CoC**

Registered Suppliers are to submit applications for renewal of expiring registered Controlled Goods six months before the expiry of the CoCs to CABs (Local) or CABs (Foreign-MRA) for re-certification. Applications submitted after the expired CoCs would not be accepted for renewal. Application for new registration supported by a valid CoC would be required for Controlled Goods with expired registration.

All applications for renewal shall be based on the listed edition or newer edition of the safety standards in Chapter 6. Should the edition of the safety standards on the CoC be earlier than the listed edition, supplementary testing on the difference(s) between the old and listed/newer edition or full type-test to the listed/newer edition must be carried out.

If the previous registration was based on the old standard edition, application for modification to upgrade to the latest minimum edition of the safety standard would be required for renewal.

**How to renew the re-certified Controlled Goods?**

- Submit the new CoC with the renewal fee of \$50 plus GST to the Safety Authority. Payment by cheque shall be made to 'SPRING Singapore'; or
- Submit the new CoC with online payment (via website) at <https://cpsa.spring.gov.sg>.

**Transfer of CoC from company A to a non-affiliated company B**

- Company B to apply as a supplier of Controlled Goods if it is not a Registered Supplier
- Company B to approach CAB (Local or Foreign-MRA) (who initially issued the CoC) to apply for CoC with new certification number with 3 years validity
- Company B to submit any other information or document as required by CAB
- Company B to submit the new CoC to Safety Authority for registration with a fee of \$180 plus GST.

**Transfer of CoC from company A to an affiliated company B**

- Company B to apply as a supplier of Controlled Goods if it is not a Registered Supplier
- Company B to approach CAB (Local or Foreign-MRA) who issued the CoC and apply for a new CoC with the following options:
  - (a) to retain the certification number with the current expiry date; or
  - (b) to apply for new certification number with 3 years expiry date
- Company B to submit any other information or document as required by CAB
- Company B to submit the new CoC to Safety Authority for updating with a fee of \$50 plus GST per registration under option (a) or for registration with a fee of \$180 plus GST under option (b)

**10 CERTIFICATE OF CONFORMITY**

**Change in business registration** (eg. sole-proprietorship to a limited company)

- The limited company to register as a supplier of Controlled Goods
- The limited company to approach CAB to change the CoC to the name of the limited company only and to submit any other information or document as required by CAB
- The limited company to submit the revised CoC to Safety Authority for updating with a fee of \$50 plus GST per registration

**Change of trade name due to company restructuring or reorganising**

- Registered Supplier to approach CAB (Local or Foreign-MRA) to change the CoC to the new trade name only and to submit any other information or document as required by CAB
- Registered Supplier to submit the revised CoC to Safety Authority for updating with a fee of \$50 plus GST per registration

**11 CHANGE IN PARTICULARS OF REGISTERED SUPPLIER**

In cases where there are changes to the particulars specified below of the Registered Suppliers, the Registered Suppliers are required to notify the Safety Authority **not less than two (2) weeks** before such occurrence under Regulation 15 of the Consumer Product (Safety Requirements) Regulations.

- i) Company's name;
- ii) Company's registered address;
- iii) Name and title of person authorised to represent the company;
- iv) Telephone number;
- v) Facsimile number;
- vi) Email address, etc.

The Registered Suppliers shall submit the following to the Safety Authority:

- a) Form RS02 (Appendix H).
- b) Certificate of Incorporation on Change of Name of Company issued by ACRA, if applicable.

**12 MODIFICATION TO REGISTERED CONTROLLED GOODS**

Modification (including technical and non-technical changes) refers to any changes made to the registered Controlled Goods.

Examples of technical changes are:

- safety components
- new design/enclosure that affect the safety

Examples of non-technical changes are:

- colour (except for 3-pin rectangular type 13-amp plug, 3-pin round type 15-amp plug, multi-way adaptor, 3-pin portable socket-outlet, portable cable reel, RCCB, 3-pin 13-amp socket-outlet, 3-pin round type 15-amp socket-outlet and domestic electric wall switch due to different colour resin)
- graphic design
- factory location (no change in the manufacturing process)
- manufacturer's name
- year/date of production

The Registered Suppliers may approach the Safety Authority to determine whether re-certification of the registered Controlled Goods is required as a result of modification.

The Registered Suppliers shall update their technical file on the registered Controlled Goods with details of the change and shall be responsible for all safety issues as a result of modifications and other changes to the registered Controlled Goods.

In a case where there is modification to the registered Controlled Goods, the following scenarios shall apply:

- (a) If the modification does not result in a change in the model number even though the change is technical:
  - i) The Controlled Goods do not have to be registered with the Safety Authority.
  - ii) The Registered Supplier only needs to submit the modification to the CABs (Local) or CABs (Foreign-MRA) for re-certification.
  - iii) The Registered Supplier is to update the technical file with the test report and certification attesting that the modification still meets the safety standard requirements.
- (b) If the modification does not result in a change in the model number and the change is non-technical, which does not affect the safety of the Controlled Goods:
  - i) The Controlled Goods do not have to be registered with the Safety Authority.
  - ii) The Controlled Goods do not have to be certified with the CABs (Local) or CABs (Foreign – MRA).
  - iii) The Registered Supplier only needs to update the technical file with the modification, e.g. merely change(s) in the aesthetics that does (do) not affect the safety of the Controlled Goods.
  - iv) The Registered Supplier shall be responsible for ensuring that the modification does not compromise the safety of the Controlled Goods.
- (c) If the modification results in a change in the model number and the change is technical:
  - i) The Controlled Goods have to be certified with the CABs (Local) or CABs (Foreign-MRA) and registered with the Safety Authority as per procedure indicated in Chapter 9.
  - ii) A CoC with new certification number shall be issued by CABs (Local) or CABs (Foreign-MRA).
  - iii) The Registered Supplier shall create a new technical file.

**12 MODIFICATION TO REGISTERED CONTROLLED GOODS**

- (d) If the modification results in a change in the model number even though the change is non-technical and does not affect the safety of the Controlled Goods:
- i) The Controlled Goods do not have to be certified with the CABs (Local) or CABs (Foreign – MRA).
  - ii) The Controlled Goods have to be registered with the Safety Authority. The Registered supplier is to declare clearly all the non-technical change(s) in Form RS03 (Appendix I) and submit it to the Safety Authority together with the registration fee of \$180 (excluding GST) and clear photographs of the external view (i.e. showing the complete appliance); internal view (i.e. showing the safety components); rating label; mains plug, etc.
  - iii) The Safety Authority shall issue a CoC with new certification number to the new model number if the modification is accepted and the Controlled Goods shall be considered registered.
  - iv) The Registered Supplier can affix the SAFETY Mark using the new certification number and commence supply of the registered Controlled Goods.
  - v) The Registered Supplier shall create a new technical file.

**13 SAFETY MARK****Objective and rationale**

Marking of registered Controlled Goods will enable consumers to differentiate between the registered and non-registered Controlled Goods and to participate in the enforcement. It also serves as a deterrent and a means to check for non-registered Controlled Goods in the market.

**Marking**

All Controlled Goods registered with the Safety Authority must bear the SAFETY Mark before they can be supplied to the Singapore market. Registered Suppliers are responsible for ensuring that their registered Controlled Goods are affixed with the SAFETY Mark in accordance to the guidelines stipulated by the Safety Authority as provided for in Appendix N. The Safety Authority will conduct spot-checks on manufacturers' / importers' / traders' warehouses when it is deemed necessary.

**Where to apply the SAFETY Mark**

The SAFETY Mark can either be affixed on the Controlled Goods or their packaging (to be affixed in a prominent location).

**Preparation of SAFETY Mark**

The CABs (Local) or CABs (Foreign – MRA) shall allocate certification numbers to the Registered Suppliers that have submitted Controlled Goods for the purpose of certification. The allocated certification numbers are to help Registered Suppliers in preparing the marking of the Controlled Goods in advance. It does not imply that the Controlled Goods have been certified by the CABs (Local) or CABs (Foreign – MRA) or registered with the Safety Authority. Registered Suppliers shall mark the Controlled Goods **ONLY** upon receiving the 'Acknowledgement Receipt for Certificate of Conformity'.

**Certification Number**

The certification number (XXYYYY-ZZ) is a unique number issued by the CABs (Local) or CABs (Foreign – MRA) which is traceable to the Registered Suppliers and the registered Controlled Goods. The connotation of the certification number is as follows:

<b>XX</b>	<b>=</b>	<b>year of certification (e.g. 01 for year 2001)</b>
<b>YYYY</b>	<b>=</b>	<b>serial number (e.g. 1234)</b>
<b>ZZ</b>	<b>=</b>	<b>CAB identity code (e.g. 11 for CAB 'A')</b>

**Using SAFETY Mark in Advertisements or Publicity Materials**

Please refer to Appendix O for the guidelines.

**14 TECHNICAL FILE**

Every Registered Supplier in Singapore is required to maintain technical files of all their registered Controlled Goods as required in Regulation 16 of Regulations. The contents of the technical files are specified in the table below. These files are to be maintained by the Registered Suppliers for **at least ten (10) years** from the date of expiry of the COC or the last renewed COC.

The maintenance of the technical files is necessary to enable the Safety Authority to carry out its investigation duties in the event of a complaint, incident or accident. Upon receiving request made by the Safety Authority, the Registered Suppliers must provide the relevant technical files to the Safety Authority within **seven (7) calendar days**.

In addition, the Registered Suppliers shall be responsible for the regular updating of the technical files especially if there have been **modifications** made to the registered Controlled Goods. Supplementary testing and certification are required if there are modifications with safety implications.

**LIST OF DOCUMENTS TO BE INCLUDED IN THE TECHNICAL FILE**

No.	Type of Document
1	<b>Acknowledgement Receipt for Certificate of Conformity [also known as Letter Of Approval(LOA)]</b>
2	<b>Certificate of Conformity</b> (in English version <u>only</u> )
3	<b>Test Reports including its Test Certificates (if applicable)</b> (in English version <u>only</u> )
4	<b>Full Electrical Wiring/Circuit Diagram or Service Manual (contains the electrical wiring/circuit diagram)</b> (Circuit diagram must indicate the component's values, or alternatively, be supported with Bill of Material/Part List.)
5	<b>Technical/Constructional Drawing for gas products</b>
6	<b>Photographs</b> showing exterior (whole, front, top and rear view of Controlled Goods, nameplate, rating label, mains plug, etc.) and interior (critical safety components) views. Polaroid photographs as well as photocopies (in black and white) are <u>not</u> acceptable. Photographs for similar/derived models must also be kept together with the photographs of the basic model.
7	<b>Rating Label</b> (if it is not clear in the photograph) To provide an original or clear photograph or artwork.
8	<b>User's Instruction Manual</b> (English version must be included)
9	<b>Record of Modification</b> , if any

**Note:**

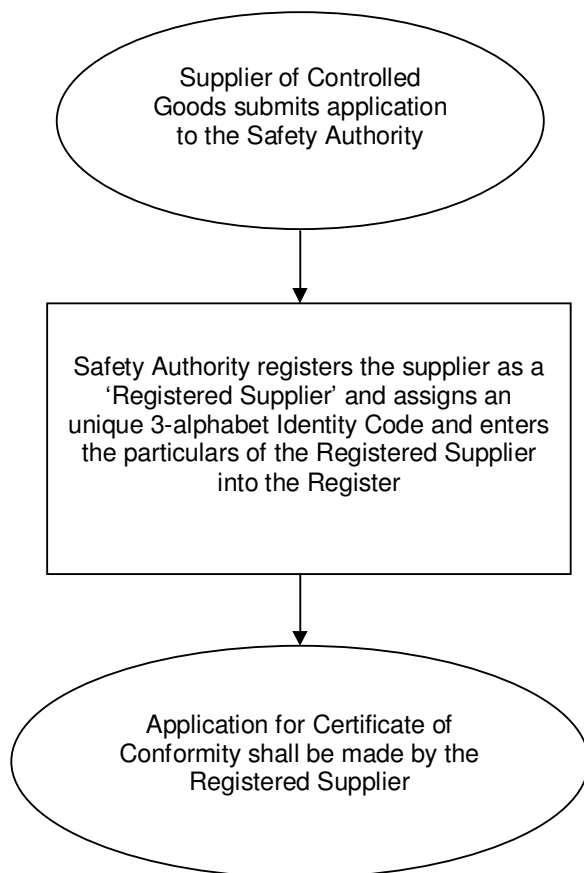
Registered Suppliers are to maintain the testing results of every registered Controlled Goods. The testing results may be of help to determine whether the fault occurring in an incident or accident is attributed to a single product or a single batch.



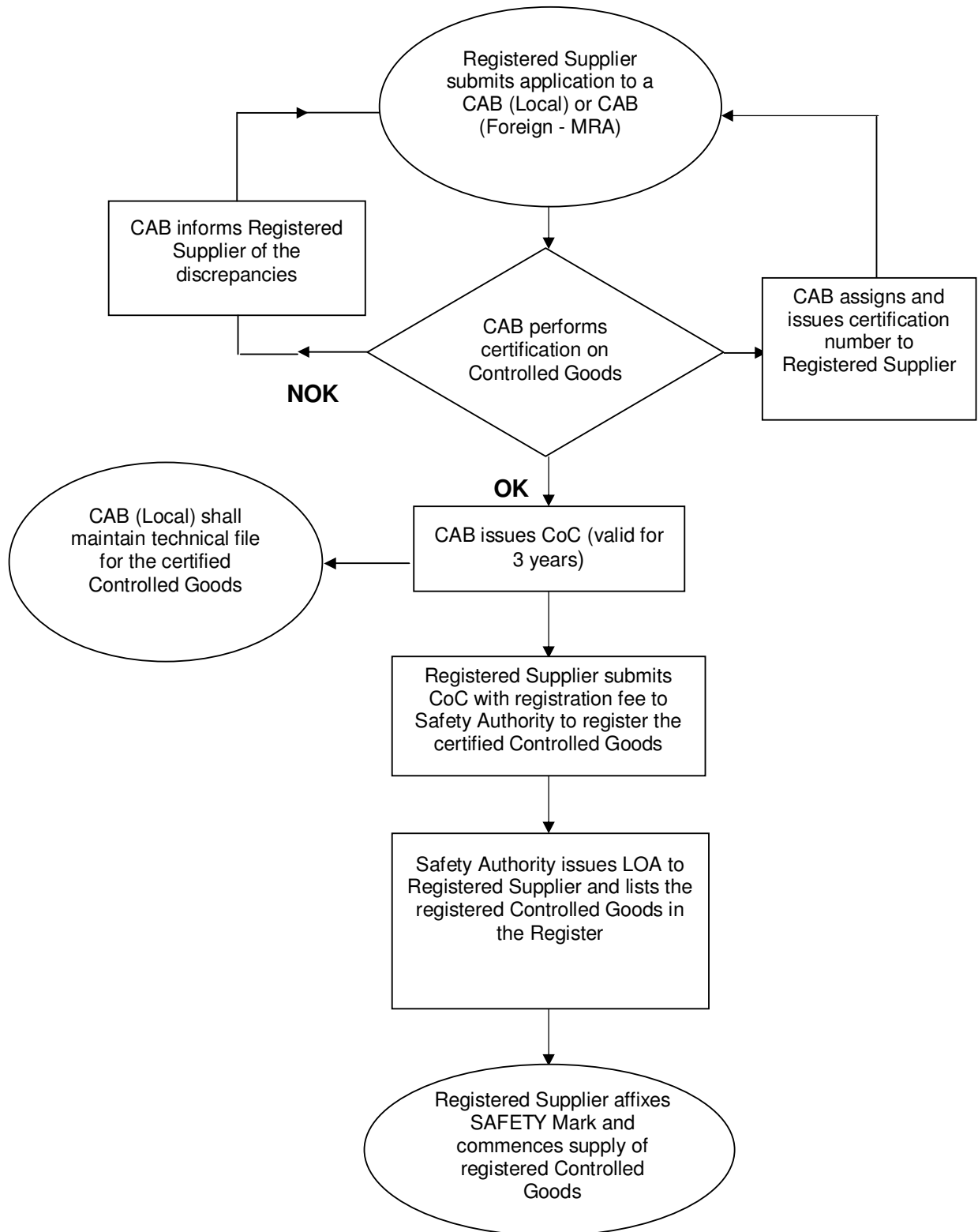
## DEFINITIONS

- 1 **CAB** means Conformity Assessment Body that conducts Conformity assessment for Controlled Goods.
- 2 **CAB (Local)** means CAB that is located in Singapore and is designated by SPRING Singapore, the Designating Authority to issue COC for products or Controlled Goods supplied in Singapore specified in the First Schedule to the Consumer Protection (Safety Requirements) Regulations.
- 3 **CAB (Foreign – MRA)** means CAB that is located in the MRA partner country and is designated by the Designating Authority of the MRA partner to issue COC.
- 4 **COC** means Certificate of Conformity issued by either CAB (Local) or CAB (Foreign-MRA).
- 5 **Controlled Goods** means any goods of a type, class or description specified in the First Schedule of the Consumer Protection (Safety Requirements) Regulations.
- 6 **MRA** means a Mutual Recognition Agreement or Arrangement between Singapore and any other country/customs territory.
- 7 **LOA** means Acknowledgement Receipt for Certificate of Conformity issued by SPRING Singapore, the Safety Authority.
- 8 **RTL** means a Recognised Testing Laboratory referred to in Part V of the Standards, Productivity and Innovation Board (Conformity Assessment) Regulations.
- 9 **Registered Controlled Goods** means any Controlled Goods registered with the Safety Authority under Regulation 7 of the of the Consumer Protection (Safety Requirements) Regulations.
- 10 **Safety Authority** means the Standards, Productivity and Innovation Board (SPRING Singapore) (formerly known as Singapore Productivity and Standards Board) established under Section 3 of the Singapore Productivity and Standards Board Act (Chapter 303A).
- 11 **SAFETY Mark** means the SAFETY Mark specified in the Second Schedule of the Consumer Protection (Safety Requirements) Regulations.
- 12 **IEC** means the International Electrotechnical Commission.
- 13 **SS** means Singapore Standard.
- 14 **GST** means Goods & Services Tax

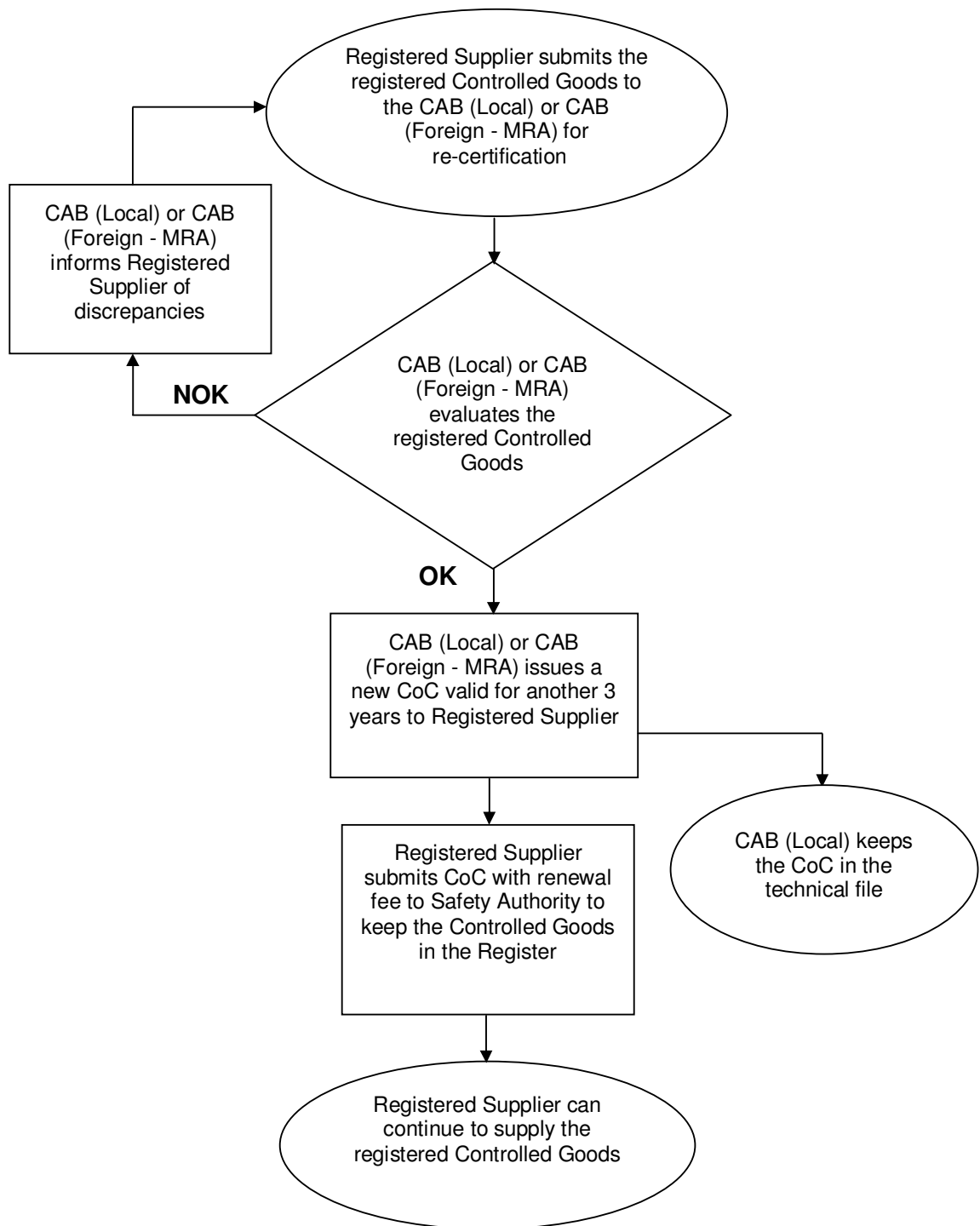
FLOW-CHART FOR REGISTRATION OF SUPPLIER OF CONTROLLED GOODS



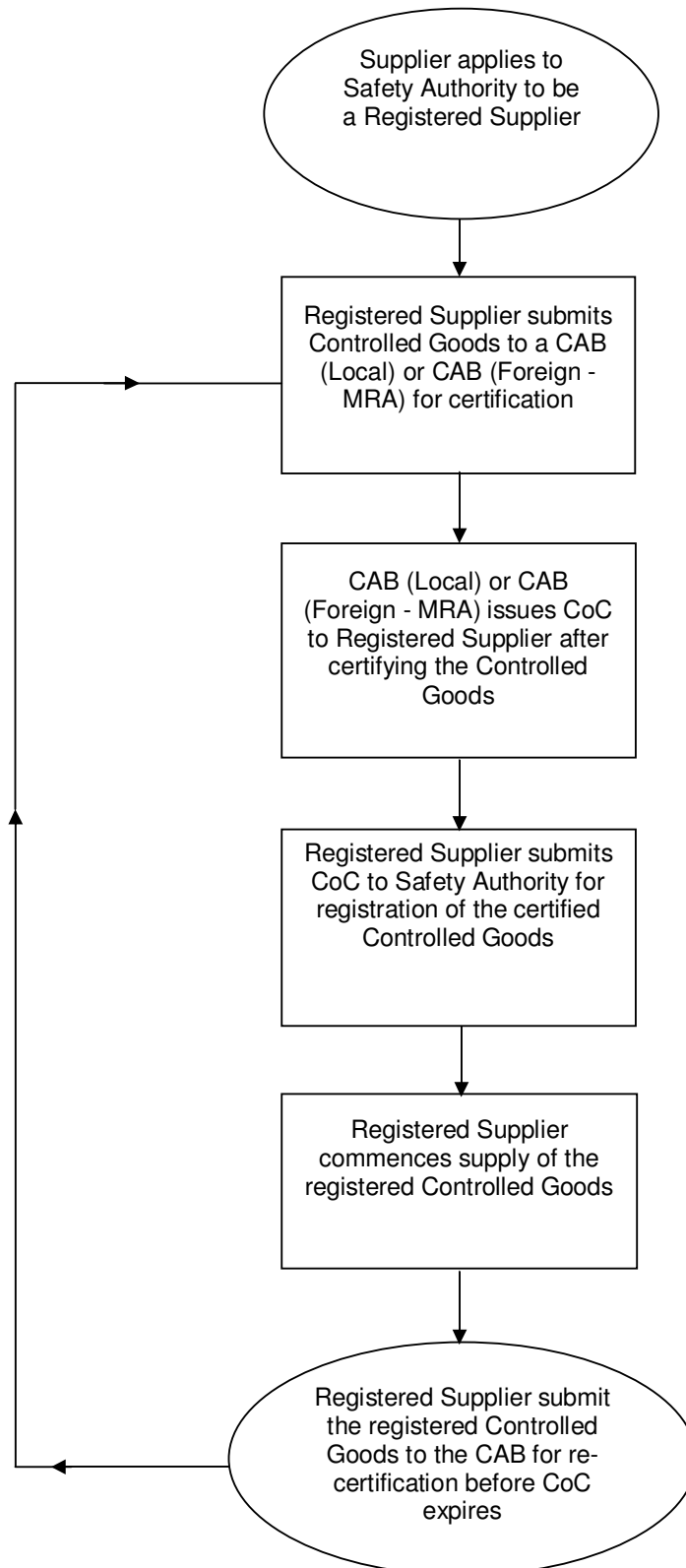
## FLOW-CHART FOR REGISTRATION OF CONTROLLED GOODS



## FLOW-CHART FOR RENEWAL OF REGISTERED CONTROLLED GOODS



## FLOW-CHART FOR THE OVERALL VIEW OF REGISTRATION PROCESS



## GUIDELINES FOR COMPLETING FORM RS01

- 1 **Supplier's FULL Business Name**  
*Name of the company registered in Singapore with the Accounting and Corporate Regulatory Authority (ACRA) applying as a "Registered Supplier".*
  - 2 **Supplier's FULL Registered Address in Singapore**  
*Registered address of the company registered with the ACRA.*
  - 3 **Supplier's Business Registration Number (issued by ACRA) in Singapore**  
*Business registration number of the company issued by ACRA.*
  - 4 **Types of Controlled Goods intended to supply in Singapore**  
*Controlled Goods that the supplier wishes to sell in the Singapore domestic market.*
  - 5 **Name and Title of Person authorised to represent the above Supplier (must be a staff of Supplier)**  
*Name and title (designation) of person appointed by the company to be in-charge of submission of Certificate of Conformity (CoC) as well as to liaise with the Safety Authority.*
- Authorised Signature**  
*The signature of the staff authorised by the company to be responsible for the registration of Controlled Goods.*
- Name and Title of Signatory**  
*The name and title (designation) of the staff authorised by the company to be responsible for registration of Controlled Goods.*
- Company's Registered Seal/Stamp**  
*The registered seal or rubber-stamp of the company.*
- Date**  
*The date of the day that FORM RS01 is signed.*



### Registration as Supplier of Controlled Goods

For Official Use Only			
Received On			
Allocated RS Code			

You may require about 2 minutes to fill in this form.

### SUPPLIER DATA

Name of Company:

Address:

Contact Person:

Designation:

Tel:

Fax:

Email:

ACRA Reference Number: (attach a copy of the Certificate of Incorporation of Private company / Certificate of Registration)

Date of Registration:

Type of Controlled Goods to be supplied in Singapore (eg. IT equipment, 13A plug, etc)

Signature:

Name:

Designation:

Date:

Please note that making a false statement on this application is an offence under the Consumer Protection (Trade Descriptions and Safety Requirements) Act (Chapter 53).

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**SPRING Singapore**

1 Fusionopolis Walk, #01-02, South Tower, Solaris, Singapore 138628  
 Tel: 1800-773 3163 Fax: 6278 9885 Website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety)  
 Form RS01



### Notification of Change of Registered Supplier's Particulars

You may require about 2 minutes to fill in this form.

Name of Company:

We wish to inform you that our company has changed the following particulars (please tick where necessary on the box)

☐ Company name (please attach Certificate of Incorporation on Change of Company Name / Certificate of Registration)

New Company name

☐ Company's registered address

New Address

☐ Name and Designation of person authorised to represent the company

New Name and Designation

☐ Tel

New Tel

☐ Fax

New Fax

☐ Email

New Email

☐ Others (please specify):

**Signature:**

**Name:**

**Designation:**

**Date:**

Please note that making a false statement on this application is an offence under the Consumer Protection (Trade Descriptions and Safety Requirements) Act (Chapter 53).

**SPRING Singapore**

1 Fusionopolis Walk, #01-02, South Tower, Solaris, Singapore 138628  
Tel: 1800-773 3163 Fax: 6278 9885 Website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety)  
Form RS02





**Notification of  
Modification to Registered Controlled Goods  
(for non-technical modification only)**

You may require about 2 minutes to fill in this form.

Trade Name:	Old Model No.:
<input type="text"/>	<input type="text"/>
Certificate of Conformity No.:	New Model No.:
<input type="text"/>	<input type="text"/>

We wish to inform the Safety Authority that our registered Controlled Goods, has changed its registered model number due to the following modification(s) (Please describe the modification(s) in the box below)

Note: A new certificate number will be issued to the new model number should the modification(s) be accepted

Signature:	Name:
<input type="text"/>	<input type="text"/>
	Designation:
	<input type="text"/>
	Date:
	<input type="text"/>

Please note that making a false statement on this application is an offence under the Consumer Protection (Trade Descriptions and Safety Requirements) Act (Chapter 53).

**(A) EXAMPLES OF CONTROLLED GOODS**

The following are some examples of Controlled Goods. The examples are by no means exhaustive and therefore, products not listed here do not mean they are not Controlled Goods. The detailed definitions of Controlled Goods are stated on Chapter 6 of this Information Booklet. If you are uncertain whether your product falls within the definitions of Controlled Goods, please fax or email the catalogues and specifications to the Safety Authority at (65)6278 9885 or [safety@spring.gov.sg](mailto:safety@spring.gov.sg) for clarification.

<b>Cooking Range</b> <ul style="list-style-type: none"> <li>Built-in Electric Hob</li> <li>Free-standing Electric Oven</li> <li>Built-in Electric Oven</li> <li>Built-in Electric Grill</li> <li>Built-in Electric Steam Oven</li> <li>Built-in Electric Induction Hob</li> <li>Built-in Deep Fat Fryer</li> </ul>	<b>Washing Machine</b> <ul style="list-style-type: none"> <li>Top-loading Washing Machine</li> <li>Front-loading Washing Machine</li> <li>Twin-tub Washing Machine</li> <li>Washer cum Dryer</li> </ul>
<b>Iron</b> <ul style="list-style-type: none"> <li>Dry Iron</li> <li>Steam Iron</li> <li>Traveller Iron</li> <li>Iron with Steam Generator/Boiler</li> </ul>	<b>Any Other Audio Products</b> <ul style="list-style-type: none"> <li>Portable Radio Cassette Recorder</li> <li>Clock Radio</li> </ul>
<b>Hair Dryer</b> <ul style="list-style-type: none"> <li>Hand-held Hairdryer</li> <li>Wall-mounted Hairdryer</li> <li>Wall-mounted Hairdryer with Shaver Unit</li> </ul>	<b>Toaster, Grill, Roaster, Hot Plate, Deep Fat Fryer, Wok and Similar Appliances</b> <ul style="list-style-type: none"> <li>Toaster Oven</li> <li>Electric Barbeque Grill</li> <li>Hot-plate</li> <li>Sandwich Maker</li> <li>Waffle Maker</li> <li>Hot-plate with Steam Boat</li> <li>Deep Fat Fryer</li> <li>Bread Toaster</li> <li>Electric Wok</li> <li>Air Fryer</li> </ul>
<b>Microwave Oven</b> <ul style="list-style-type: none"> <li>Microwave Oven</li> <li>Microwave Oven with Grill</li> </ul>	<b>Wall Fan / Ceiling Fan</b> <ul style="list-style-type: none"> <li>Wall Fan</li> <li>Cycle Fan</li> <li>Ceiling Fan</li> </ul>
<b>Video Cassette Recorder</b> <ul style="list-style-type: none"> <li>Video Cassette Recorder</li> <li>Video Cassette Player</li> <li>Video Cassette Recorder with DVD/VCD Player</li> </ul>	<b>Adaptor</b> <ul style="list-style-type: none"> <li>AC-DC Adaptor</li> <li>AC-AC Adaptor</li> <li>Multi-voltage AC Adaptor</li> <li>Power AC Adaptor</li> </ul>
<b>Television / Video Display Unit</b> <ul style="list-style-type: none"> <li>CRT Television</li> <li>LCD Television Display</li> <li>Plasma Television Display</li> <li>Projection Television</li> </ul>	<b>Coffee Maker, Slow Cooker, Steam Boat and Similar Appliances</b> <ul style="list-style-type: none"> <li>Coffee Maker</li> <li>Coffee Maker cum Grinder</li> <li>Slow Cooker</li> <li>Steam Boat</li> <li>Food Steamer</li> <li>Soybean Milk Maker</li> <li>Electric Medicine Pot</li> <li>Stewing Pot</li> <li>Soup Warmer</li> </ul>
<b>Room Air-Conditioner</b> <ul style="list-style-type: none"> <li>Window Room Air-conditioner</li> <li>Vertical Room Air-conditioner</li> </ul>	<b>Laser Disc Set</b> <ul style="list-style-type: none"> <li>Laser Disc Player</li> <li>VCD Player</li> <li>DVD Player</li> <li>CD-Rom Video Game Player</li> <li>DVD Video Recorder</li> </ul>

**(A) EXAMPLES OF CONTROLLED GOODS**

<b>Table/Standing Fan</b> <ul style="list-style-type: none"> <li>Table/Desk Fan</li> <li>Floor/Standing Fan</li> <li>Box Fan</li> <li>Tower Fan</li> <li>Clip-on Fan</li> <li>Air Circulator</li> <li>Bladeless Fan</li> </ul>	<b>Mixer, Blender, Mincer and Similar Appliances</b> <ul style="list-style-type: none"> <li>Juice Extractor</li> <li>Food Slicer</li> <li>Food Mixer</li> <li>Blender</li> <li>Food Processor</li> <li>Food Chopper</li> </ul>
<b>High-Fidelity Set</b> <ul style="list-style-type: none"> <li>Hi-Fi System</li> <li>AV Receiver</li> <li>CD Player</li> <li>Tuner</li> <li>Amplifier</li> <li>Equalizer</li> <li>Karaoke Mixer</li> <li>Surround Processor</li> <li>Turntable</li> <li>Minidisc Recorder</li> <li>Active Subwoofer</li> <li>Cassette Tape Deck</li> <li>Home Theatre System</li> </ul>	<b>Home Computer System</b> <ul style="list-style-type: none"> <li>CRT Computer Monitor</li> <li>LCD Display/Monitor*</li> <li>Printer</li> <li>Plotter</li> <li>Personal Computer (CPU)</li> <li>Multimedia Active Speaker*</li> <li>External Drive*</li> <li>Internet Set-top Box</li> <li>Scanner</li> <li>Docking Station</li> <li>Notebook Computer*</li> <li>Multimedia Projector</li> <li>Power line Communication Equipment</li> </ul> <p>* Applicable to mains operated only</p>
<b>Kettle</b> <ul style="list-style-type: none"> <li>Jug Kettle</li> <li>Water Dispenser with Hot/Warm Water</li> <li>Airpot</li> <li>Cordless Kettle/Jug</li> </ul>	<b>Decorative Lighting Fixture (Filament/Incandescent type)</b> <ul style="list-style-type: none"> <li>Decorative Lighting Chain</li> <li>Christmas Tree Lighting</li> </ul>
<b>Vacuum Cleaner</b> <ul style="list-style-type: none"> <li>Vacuum Cleaner</li> <li>Wet / Dry Vacuum Cleaner</li> <li>Vacuum Cleaner with Steam Generator</li> </ul>	<b>Gas Canister</b> <ul style="list-style-type: none"> <li>Gas Canister (for use with portable gas cooker)</li> </ul>

**(B) EXAMPLES OF NON-CONTROLLED GOODS**

The following are some examples of products that are currently not in the list of Controlled Goods and therefore deemed as non-Controlled Goods under the Consumer Protection (Safety Requirements) Regulations. However, these non-Controlled Goods may be controlled under other schemes of other regulatory authorities. The products listed here are meant for reference only. It does not mean that they cannot be included as Controlled Goods in the future. The detailed definitions of Controlled Goods are stated on Chapter 6 of this Information Booklet.

Meanwhile, the onus of ensuring that these products and their accessories are safe rest with you and this advice is given without prejudice to any amendments to the Consumer Protection Act, its Regulations or the List of Controlled Goods.

<ul style="list-style-type: none"> <li>• Air cleaner / Air purifier / Air steriliser / Air ioniser / Air humidifier</li> <li>• Altar lamp</li> <li>• Baby food warmer</li> <li>• Baby milk bottle steriliser</li> <li>• Battery</li> <li>• Bread maker</li> <li>• Battery charger</li> <li>• Body massager</li> <li>• Bulb / Fluorescent lamp</li> <li>• Camping stove/non re-usable gas canister</li> <li>• Can opener</li> <li>• Car audio</li> <li>• Coffee grinder</li> <li>• Commercial LPG system</li> <li>• Cooker hood</li> <li>• Cloth steamer</li> <li>• Chest/standing freezer</li> <li>• Car vacuum cleaner</li> <li>• Centrally operated vacuum cleaner system</li> <li>• Components used in PCs</li> <li>• Cup warmer</li> <li>• Clothes dryer</li> <li>• Dishwasher</li> <li>• DC operated vacuum cleaner/Cordless vacuum cleaner</li> <li>• Dehumidifier</li> <li>• Energy saving device</li> <li>• Electric ice crusher</li> <li>• Electronic disinfectant</li> <li>• Electronic type-writer</li> <li>• Electronic wall-switch</li> <li>• Electric chocolate maker</li> <li>• Facial steamer</li> <li>• Foot massager</li> <li>• Fluorescent tube</li> <li>• Fax machine/Photocopying machine (not link to personal computer)</li> <li>• Food dehydrator</li> <li>• Gas operated water heater</li> <li>• Glue gun</li> <li>• Hand dryer</li> <li>• Hair steamer / hair curler / hair styler</li> </ul>	<ul style="list-style-type: none"> <li>• Ice-cream maker</li> <li>• Insect/Mosquito killer</li> <li>• Juke box</li> <li>• LPG barbeque grill</li> <li>• Light bulb</li> <li>• LED table lamp</li> <li>• Multiway adaptor with solely 2-pin socket-outlet</li> <li>• Massage chair (mains operated)</li> <li>• Milk frost maker</li> <li>• Misting fog fan</li> <li>• Night light</li> <li>• Portable television operates on battery supply only (e.g. car battery)</li> <li>• Pressure cooker</li> <li>• Portable single unit air-conditioner</li> <li>• Portable socket-outlet with solely 2-pin socket-outlet</li> <li>• Portable cable reel for industrial use</li> <li>• Popcorn maker</li> <li>• SPA machine</li> <li>• Steam steriliser</li> <li>• Steam cleaner</li> <li>• Security alarm system</li> <li>• Socket for fluorescent lamp</li> <li>• Starter socket</li> <li>• Split system air-conditioner (fixed)</li> <li>• Solar cooker (using high intensity light bulbs)</li> <li>• Solar storage water heater</li> <li>• Trouser press</li> <li>• Tumbler dryer (clothes dryer)</li> <li>• Uninterrupted power supply (UPS)</li> <li>• Wall USB outlet</li> <li>• Vending machine</li> <li>• Ventilation fan / Exhaust fan</li> <li>• Video cassette rewinder</li> <li>• Security video recorder</li> <li>• Water distiller</li> <li>• Wine cooler</li> <li>• Weather-proof switch</li> <li>• Weather-proof socket-outlet</li> <li>• Wet grinder (eg. peanut grinder)</li> </ul>
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**Important Note:**

Most of the above listed non-Controlled Goods are regulated under the Consumer Protection (Consumer Goods Safety Requirements) Regulations 2011 (CGSR) effected from 1 April 2011. For information on CGSR, please refer to 'Consumer Protection (Consumer Goods Safety Requirements) Regulations 2011 Information Booklet which is available at [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

**THE SINGAPORE CONSUMER PROTECTION  
(SAFETY REQUIREMENTS) REGISTRATION SCHEME****Certificate of Conformity (CoC)**

CAB (Local)'s or CAB (Foreign – MRA)'s Letter Head

To: RS Identity Code  
Registered Supplier

Date of Certification : \_\_\_\_\_

Date of Re-certification : \_\_\_\_\_

Date of Expiry : \_\_\_\_\_

Certificate Number : \_\_\_\_\_

Dear Sir/Madam,

We certify that the following Controlled Goods complied with the Mandatory Requirements of the Singapore Consumer Protection (Safety Requirements) Registration Scheme:

Description of Controlled Goods: \_\_\_\_\_

Trade Name: \_\_\_\_\_

Model Number: \_\_\_\_\_

Country where Controlled Goods are likely to be manufactured: \_\_\_\_\_

Test report number: \_\_\_\_\_

Testing laboratory: \_\_\_\_\_

Tested according to: \_\_\_\_\_

\_\_\_\_\_  
CAB  
Certifying Officer

**Important Notice:**

No Controlled Goods can be supplied in Singapore unless they are registered with the Safety Authority. Please access [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety) for registration procedure.

**THE SINGAPORE CONSUMER PROTECTION  
(SAFETY REQUIREMENTS) REGISTRATION SCHEME**

**Certificate of Conformity (CoC)**

CAB (Local)'s or CAB (Foreign – MRA)'s Letter Head

To: **ABC**  
**Mr Kingsman Lee**  
**Worldwide Electrical Trading (S) Pte Ltd**  
**8 Kaki Bukit Avenue 1**  
**Worldwide Building**  
**Singapore 232865**

 Date of Certification : 2 April 2002

 Date of Re-certification : -

 Date of Expiry : 1 April 2005

 Certificate Number : 123456-11

Dear Sir/Madam,

We certify that the following Controlled Goods complied with the Mandatory Requirements of the Singapore Consumer Protection (Safety Requirements) Registration Scheme:

Description of Controlled Goods: Top-loading Washing Machine rated 220-240 VAC, 50 Hz,  
2300 W, 5 Kg, Class I

 Trade Name: ELECTRONIC

 Model Number: EWM-5005SS

 Country where Controlled Goods are likely to be manufactured: China

 Test report number: 2002-10001-32

 Testing laboratory: Bonsia Testing Services Ltd

 Tested according to: IEC 60335-2-7: 2000

\_\_\_\_\_  
 CAB  
 Certifying Officer

**Important Notice:**

No Controlled Goods can be supplied in Singapore unless they are registered with the Safety Authority. Please access [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety) for registration procedure.

**THE SINGAPORE CONSUMER PROTECTION  
(SAFETY REQUIREMENTS) REGISTRATION SCHEME**

**Acknowledgement Receipt for Certificate of Conformity**



**SAFETY AUTHORITY**

To: Registered Supplier

Date of registration: \_\_\_\_\_

Dear Sir/Madam,

We acknowledge receipt of Certificate of Conformity,

Certificate Number: \_\_\_\_\_,

for registration of Controlled Goods, \_\_\_\_\_

Trade Name: \_\_\_\_\_

Model Number: \_\_\_\_\_

and would like to confirm that the Controlled Goods are entered into the Register of Registered Controlled Goods, pursuant to the Consumer Protection (Safety Requirements) Regulations.

\_\_\_\_\_  
*Registration Officer  
for Safety Authority*

<b>GUIDELINES FOR USING SAFETY MARK ON THE REGISTERED CONTROLLED GOODS</b>
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The SAFETY Mark comprises of a safety logo enclosed in a square on the left and the word "SAFETY MARK" enclosed in a rectangle on the right. Below the logo is a unique certification number traceable to the registrant. The colour used is Pantone 287C Blue Colour



**1) SAFETY Mark without Contrasting Background (e.g. embossed on body of Controlled Goods)**

The safety logo, letters and certification number shall be of raised or lowered depth of not less than 0.51 mm.

The SAFETY Mark (consisting of both the safety logo and the word "SAFETY MARK") shall have a height of not less than 9.5 mm. The certification number shall have a height of not less than 2.8 mm.

Any SAFETY Mark with dimension smaller than the above has to be approved by the Safety Authority.

**2) SAFETY Mark with Contrasting Background (e.g. silk screened on body of Controlled Goods or printed on rating labels or carton boxes or as standalone adhesive labels)**

The SAFETY Mark (consisting of both the safety logo and the word "SAFETY MARK") shall have a height of not less than 6.0 mm. The certification number shall have a height of not less than 1.6 mm.

Any SAFETY Mark with dimension smaller than the above has to be approved by the Safety Authority.

**3) Points for adherence**

a) The SAFETY Mark shall be fully reproduced with the safety logo enclosed in a square on the left, the word "SAFETY MARK" enclosed in a rectangle on the right and the certification number traceable to the registrant across the bottom.

b) The SAFETY Mark can be embossed or silk screened on any coloured material or printed with the same colour used for rating labels or carton box markings. When printed as standalone adhesive labels, the colour of the safety logo, the background for the word "SAFETY MARK" and the certification number is Pantone 287C Blue Colour.

c) The SAFETY Mark shall be easily discernible on the Controlled Goods.

d) The SAFETY Mark shall be indelible and legible. The marking shall not be removed when rubbed lightly with a piece of cloth soaked with petroleum, spirit or water.

e) Rating labels or standalone adhesive labels with the SAFETY Mark shall not come loose or curled at the edges.

f) Please refer to the brochure provided by the Safety Authority for size relationship between the safety logo and the word "SAFETY MARK". They could be enlarged or reduced proportionately and still meet the size requirements stipulated in point (1) and (2), depending on whether the background is non-contrasting or contrasting.

***Compliance is checked by visual inspection as well as the test mentioned in above paragraph (d)***



## GUIDELINES FOR USING SAFETY MARK ON THE REGISTERED CONTROLLED GOODS

## 4) SAFETY Mark on AC Adaptors

For **AC Adaptors** (to be used with other products), registration is granted for the adaptors only and does not cover the other products. Therefore, only the adaptors should be affixed with the SAFETY Mark.

However, if the packaging containing both the AC Adaptors and other products is to be affixed with the SAFETY Mark, then the statement “**This SAFETY Mark applies to the AC Adaptor only**” has to be printed near the SAFETY Mark.

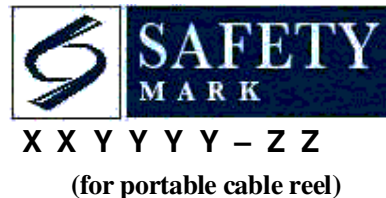
## 5) SAFETY Mark on 3-Pin Mains Plugs

For **3-pin mains plug** (13 and 15 Amperes), the SAFETY Mark must carry the statement ‘**for mains plug**’ below the certification number.



## 6) SAFETY Mark on 3-Pin Portable Socket-Outlet and Portable Cable Reel

For **3-pin portable socket-outlet** and **portable cable reel**, the SAFETY Mark must carry the statement ‘**for 3-pin portable socket-outlet**’ or ‘**for portable cable reel**’ respectively below the certification number.



## 7) SAFETY Mark on Residual Current Circuit Breaker (RCCB), 3-pin Rectangular-type 13-Amp Socket-outlet, 3-pin Round-type 15-Amp Socket-outlet, Domestic Electric Wall Switch, Ballast for Tubular Fluorescent Lamp and Isolating Transformer for Downlight Fitting

These six categories of Controlled Goods which are part of the electrical installations are required to have the SAFETY Mark prominently affixed on the products to assist both consumers and electrical installation inspectors in identifying registered Controlled Goods.

## 8) Displaying of Registered Controlled Goods at Retail Outlets

To assist consumers in identifying registered Controlled Goods, Registered Suppliers are required to display the SAFETY Mark prominently on the front of all display sets in retail outlets.

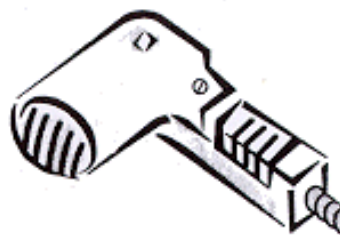
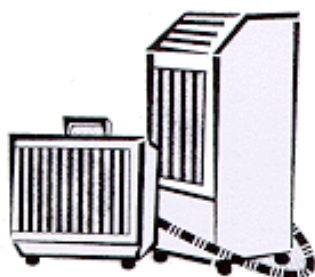
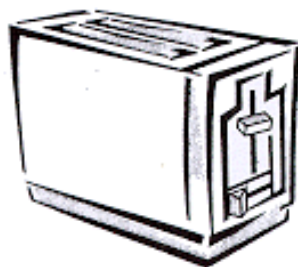
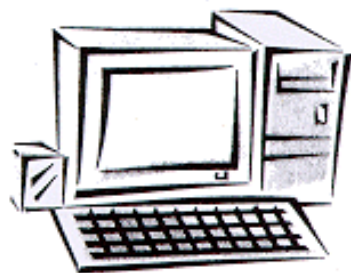
## 9) SAFETY Mark Bromide

To assist Registered Suppliers in production of the SAFETY Mark, a bromide (camera ready logo) can be purchased from the Safety Authority at \$6 (GST included). To place order, please contact the Consumer Product Safety and Weights & Measures (CW) division at SPRING Singapore at Tel: 1800-7733163, Fax: 6278 9885 or Email: [safety@spring.gov.sg](mailto:safety@spring.gov.sg).

**GUIDELINES FOR USING SAFETY MARK IN ADVERTISEMENTS OR PUBLICITY MATERIALS**

- 1 The SAFETY Mark shall be used for products registered under the Consumer Protection (Safety Requirements) Registration Scheme.
- 2 The SAFETY Mark is only complete with the respective certification number. When used in advertisements, the SAFETY Mark with the certification number for each registered model should be used if there is more than one model advertised. If there is a space constraint, a single SAFETY Mark may be used.
- 3 The following statement may be used with the SAFETY Mark:
  - a) "The product (state the name and model no.) has been type-tested and considered to be in compliance with the safety requirements of the Standard (state the standard) and hence registered and entered into the Register of Registered Controlled Goods, (under pursuant to) the Consumer Protection (Safety Requirements) Regulations 2002. The registration is NOT an endorsement of the quality control system of the manufacturing process"
  - b) "Look for the SAFETY Mark"
  - c) "Insist on the SAFETY Mark"
  - d) "Safe Home with the SAFETY Mark".
- 4 Statements like "approved by XXX", "XXX-tested safe for use", "XXX-certified" should NOT be used. Use of such statements is misleading because the scheme only requires one sample of the said model to be type-tested.
- 5 Any statement referring to the Consumer Protection (Safety Requirements) Registration Scheme or the SAFETY Mark, other than those stated in Paragraph 3 above should be sent to SPRING Singapore, Safety Authority, Consumer Product Safety and Weights & Measures (CW), for vetting before publication. Please contact CW's hotline at 1800-7733163, Fax to 62789885 or Email: [safety@spring.gov.sg](mailto:safety@spring.gov.sg)

EXAMPLE

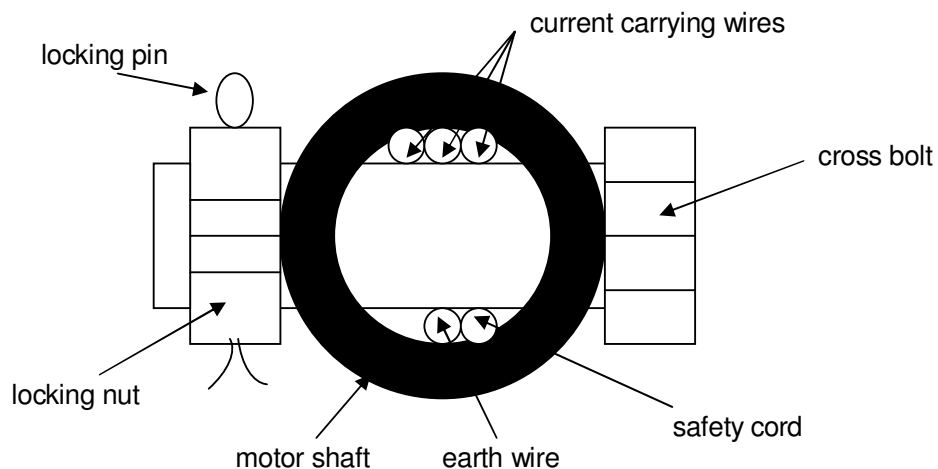


Safe Home with the SAFETY Mark

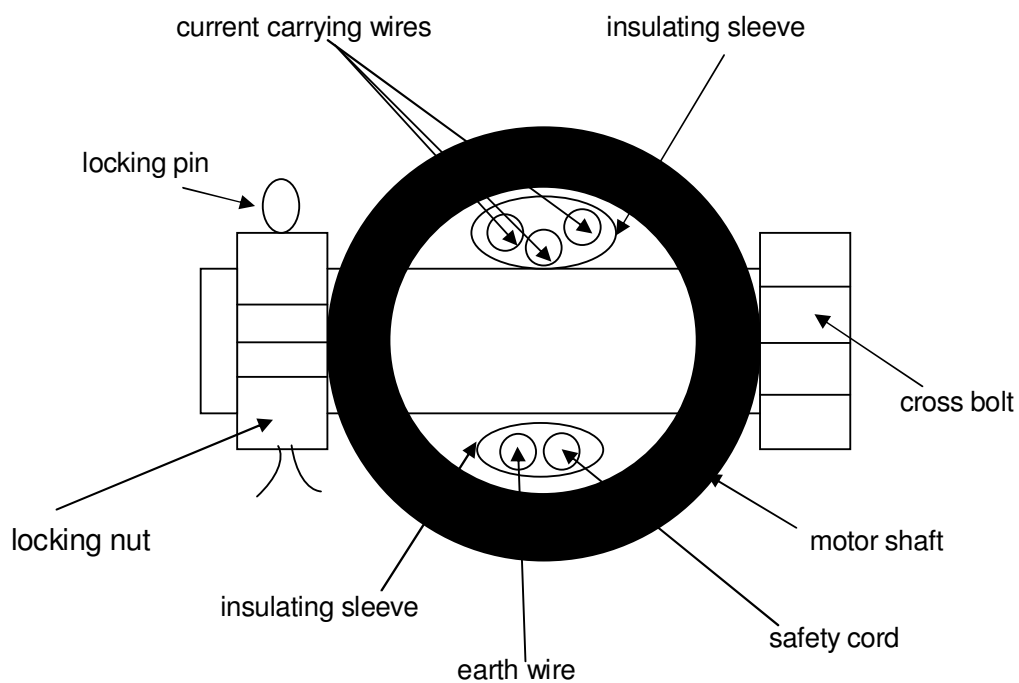


1 2 3 4 5 6 - 0 0

**DRAWINGS SHOWING ACCEPTABLE AND NOT ACCEPTABLE FAN MOTOR SHAFT FOR DECORATIVE CEILING FAN**

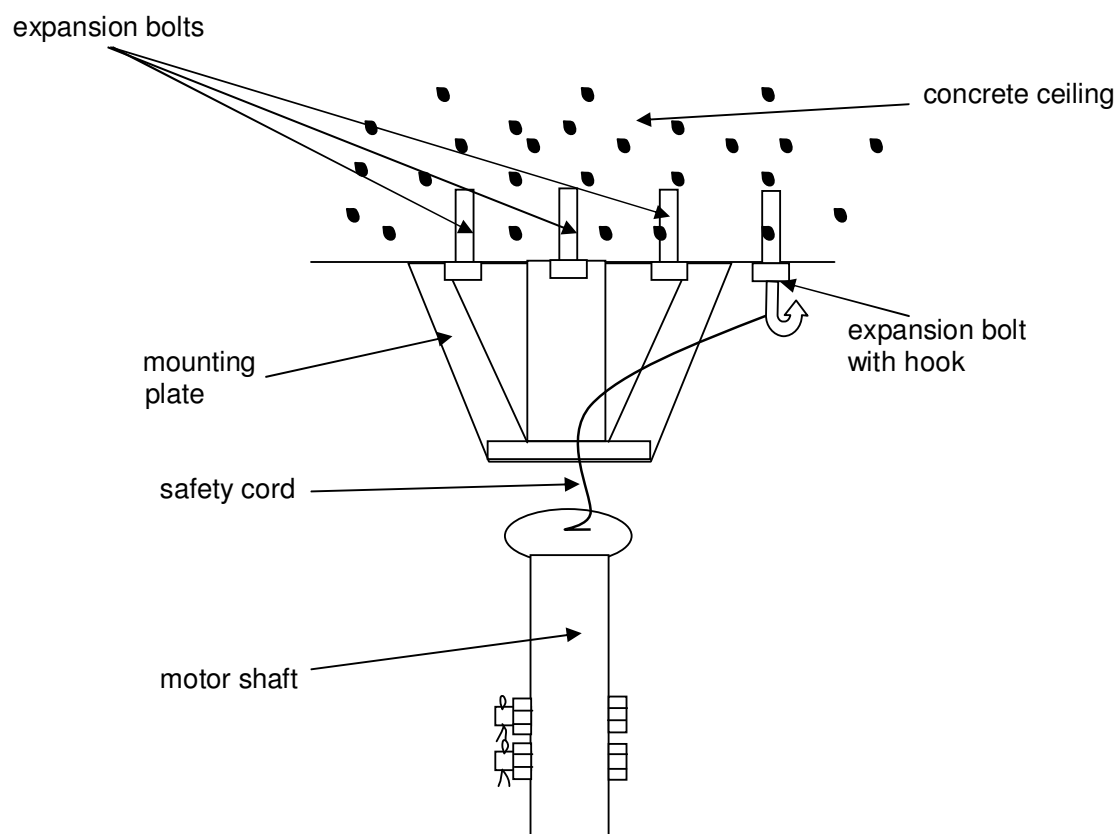


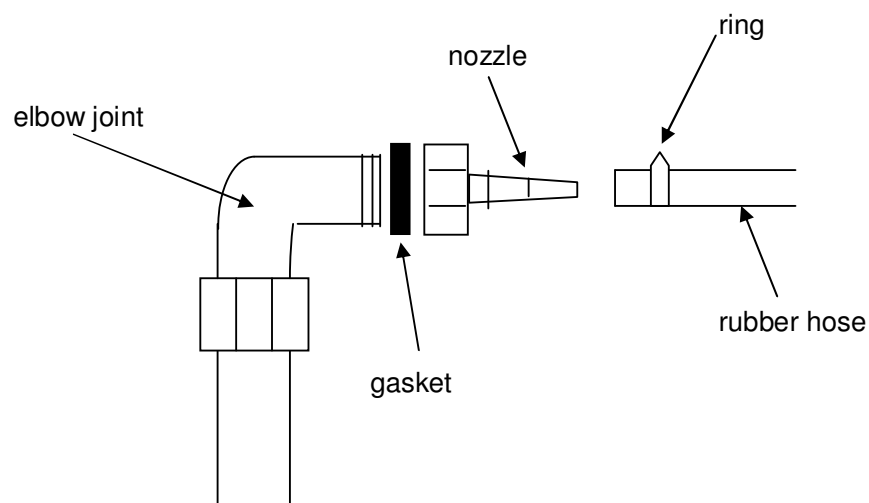
**Figure A: Not Acceptable (wires under stress)**



**Figure B: Acceptable (wires not under stress)**

**DIAGRAM SHOWING THE 3 EXPANSION BOLTS, SAFETY CORD, EXPANSION BOLTS WITH HOOK AND MOUNTING PLATE OF CEILING FAN**



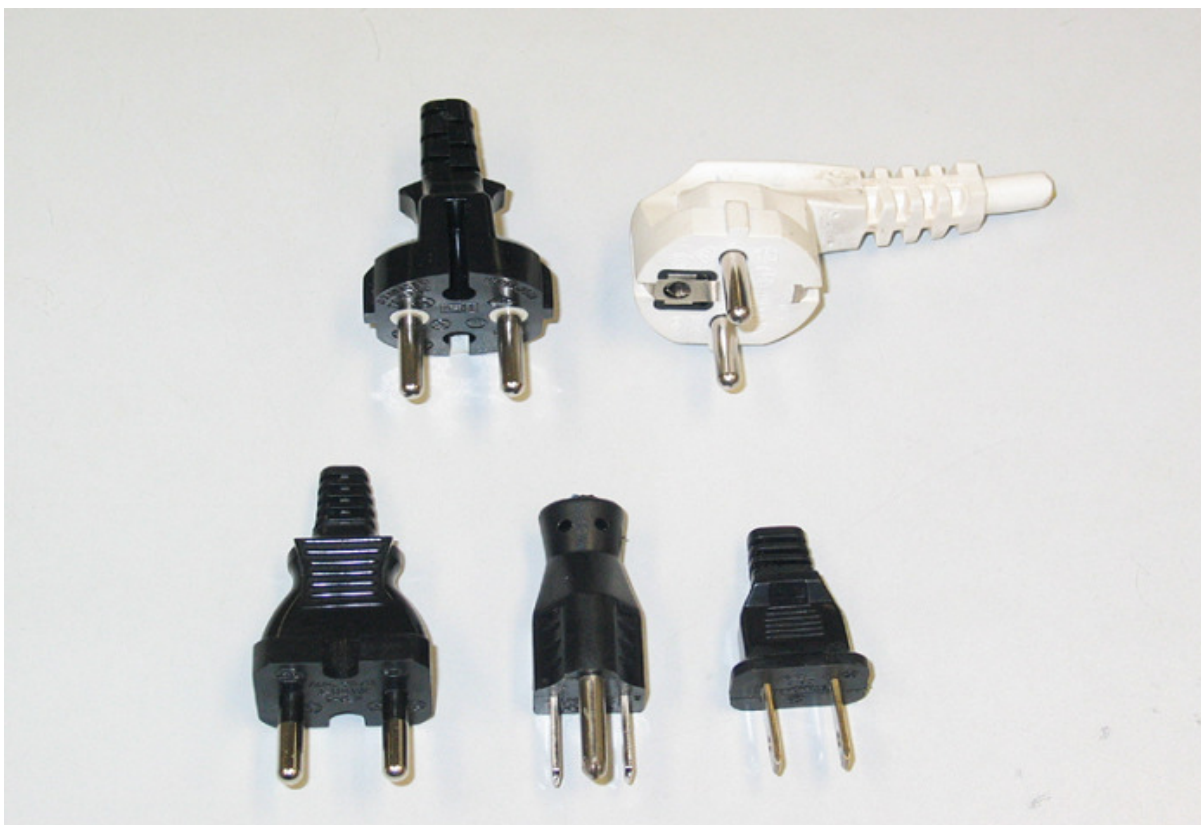
**INSTALLATION INSTRUCTIONS FOR FIXING GAS COOKER ELBOW JOINT**

The gasket depicted above is to prevent gas leakage. After installation, turn on the gas supply and use soap solution (never use naked flame) to check for gas leakage.

EXAMPLES OF 2-PIN MAINS PLUG IN ACCORDANCE TO EN 50075



EXAMPLES OF NON-ACCEPTABLE MAINS PLUGS

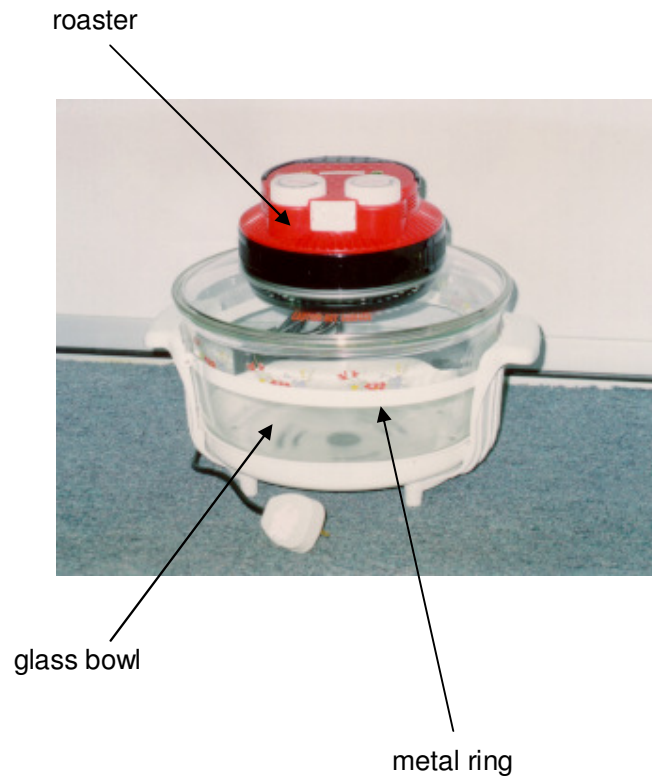




EXAMPLES OF 2-PIN AND 3-PIN AC ADAPTORS



DIAGRAM SHOWING A METAL RING AROUND GLASS BOWL USED WITH ROASTER



Note:

- If supplier has other method to prevent the roaster from falling off in case of the glass bowl shattered, please seek approval from the Safety Authority.
- This requirement is not applicable to roaster that is provided with metal bowl.

## SPECIFICATIONS OF GASES DISTRIBUTED IN SINGAPORE FOR DOMESTIC GAS APPLIANCES

Town Gas Source: City Gas Pte Ltd

**Town Gas Specification:**

The typical properties of gas manufactured by City Gas Pte Ltd are as follows:

1	Gas Type	Group 5
2	Specific Gravity	0.50 – 0.59
3	Gross Calorific Value	18.63 MJ/m <sup>3</sup> ± 3% @ 288.75 K & 101 kPa
4	Wobbe Index	23.15 – 26.35 MJ/m <sup>3</sup>
5	Weaver Flame Speed	32 - 42
6	Stoichiometric Combustion Air	4.4 vol / vol of gas
7	Limits of flammability	3-0 – 55% of gas in air
8	Carbon Monoxide	6% vol (max)
9	Ignition Temperature	>400 °C
10	Theoretical Flame Temperature	~2000 °C

**Typical Town Gas Composition:**

The following list the individual components in the piped-gas. During normal operations, the expected variations are given as low and a high range. This list is intended to be a guide where specific and technical information is required.

<u>Components</u>	Volume %	
	<u>Typical</u>	<u>Range</u>
Hydrogen	49.5	41 - 65
Methane	26.7	4 - 33
Ethane	1.3	0 - 2.6
Propane	0.1	0 - 1.3
Butane	0.2	0 - 1.7
Pentane	0.4	0 - 5
Carbon Monoxide	3.2	2 - 6
Carbon Dioxide	13.2	9 - 20
Nitrogen	4.5	2 - 10
Oxygen	0.9	0.5 - 2.5

Supply Pressure (mbar)		
Min.	Nom.	Max.
6	10	20

**LPG Specification:**

Volume Composition %		Gross calorific value MJ/m <sup>3</sup>	Wobbe index MJ/m <sup>3</sup>	Specific gravity (air=1)	Flame speed factor (H <sub>2</sub> =100)	Supply Pressure		
						Min.	Nom.	Max.
Butane	66-67	116.76±1%	83.8-84.6	1.893-1.935	16.01	20	29	35
Propane	26-34							

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## I) Certification Body – For Product Certification and issuing of Certificate of Conformity (CoC)

No	Certification Body	Controlled Goods	Standards
1	<b>TUV SUD PSB Pte Ltd (Certification)</b>  No. 1 Science Park Drive Singapore 118221  Contact person: Mr Desmond Soh (Product Manager)  Tel: 68851268 Fax: 67759725  Email: testing@tuv-sud-psb.sg or desmond.soh@tuv-sud-psb.sg  Website: www.tuv-sud-psb.com	1 Air cooler:	IEC 60335-2-98
		2 Adaptor <ul style="list-style-type: none"> <li>For electrical appliances</li> <li>For electronics appliances</li> <li>For computer/telephonic appliances</li> <li>For shavers</li> <li>For battery chargers</li> <li>For LED lightings</li> <li>For table/standing lamps</li> </ul>	IEC 61558-2-6 IEC 61558-2-16 IEC 60065 IEC 60950-1 IEC 60335-2-8 IEC 60335-2-29 IEC 61347-2-13 IEC 60598-2-4
		3 Any other audio products	IEC 60065
		4 Cooking range	IEC 60335-2-6
		5 Coffee maker, slow cooker, steamboat and similar appliances	IEC 60335-2-15
		6 Decorative lighting fixture	IEC 60598-2-20
		7 Hair Dryer	IEC 60335-2-23
		8 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
		9 High-fidelity set	IEC 60065
		10 Electric Iron	IEC 60335-2-3
		11 Immersion water heater	IEC 60335-2-74
		12 Kettle	IEC 60335-2-15 IEC 60335-2-21 (water dispenser)
		13 Laser disc set	IEC 60065
		14 Microwave oven	IEC 60335-2-25
		15 Mobile split air-conditioner	IEC 60335-2-40
		16 Mixer, blender, mincer and similar appliances:	IEC 60335-2-14
		17 Refrigerator	IEC 60335-2-24
		18 Rice cooker	IEC 60335-2-15
		19 Room air-conditioner	IEC 60335-2-40
		20 Television / video display unit	IEC 60065
		21 Table / stand fan	IEC 60335-2-80
		22 Table lamp / standing lamp	IEC 60598-2-4
		23 Toaster, grill, oven and similar appliances <ul style="list-style-type: none"> <li>hot plate and similar appliances</li> <li>deep fryer, electric wok and similar appliances</li> <li>outdoor electric barbeque grill</li> </ul>	IEC 60335-2-9 IEC 60335-2-13 IEC 60335-2-78
		24 Video cassette recorder	IEC 60065
		25 Vacuum cleaner	IEC 60335-2-2
		26 Washing machine	IEC 60335-2-7
		27 Wall /ceiling fan	IEC 60335-2-80 & Sub-clauses of 5.7 & 5.8 of SS 360 (for ceiling fan only)
		28 3-pin rectangular type 13-Amp plug	SS 145: Part 1
		29 Fuse ( $\leq 13$ amperes) for use in plug	SS 167
		30 3-pin round type 15A plug	SS 472
		31 Multi-way adaptor	SS 246
		32 3-pin portable socket-outlet	SS 145: Part 2

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## I) Certification Body – For Product Certification and issuing of Certificate of Conformity (CoC)

No	Certification Body	Controlled Goods	Standards	
	<b>TUV SUD PSB Pte Ltd (Certification)</b>  No. 1 Science Park Drive Singapore 118221  Contact person: Mr Desmond Soh (Product Manager)  Tel: 68851268 Fax: 67759725  Email: testing@tuv-sud-psb.sg or desmond.soh@tuv-sud-psb.sg  Website: www.tuv-sud-psb.com	33	Portable cable reel	SS 307
		34	Instantaneous electric water heater	SS 146: Part 2: 5
		35	Mains pressure electric storage water heater	SS 146: Part 2: 8
		36	Residual current circuit breaker (RCCB)	SS 97: Part 1
		37	3-pin 13-amp socket-outlet	SS 145: Part 2 BS 4177 (cooker control unit) BS 7288 (socket-outlet with RCD)
		38	3-pin round type 15-amp socket-outlet:	SS 472
		39	Domestic electric wall switch:	SS 227: Part 1 IEC 60669-1
		40	Ballast for tubular fluorescent lamp	IEC 61347-2-8 (magnetic type) IEC 61347-2-3 (electronic type)
		41	Isolating transformer for downlight fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type) IEC 61347-2-13 (for LED downlight)
		42	Components of the LPG gas system <ul style="list-style-type: none"><li>• hose</li><li>• regulator</li><li>• valve</li></ul>	SS 233 SS 281 SS 294
		43	Gas cooker	EN 30-1-1 AG 101
		44	Gas canister	SS 400
45	Portable cooking gas appliances	SS 401		
2	<b>Intertek Testing Services (S) Pte Ltd</b>  5 Pereira Road #06-01 Asiawide Industrial Building Singapore 368025  Contact person: Mr Christopher Hee Acting General Manager  Tel: 62827187 ext. 200 / 206 / 210 Fax: 62800840  Email: christopher.hee@intertek.com  Website: www.intertek.com	1	Air cooler	IEC 60335-2-98
2	Adaptor <ul style="list-style-type: none"><li>• For electrical appliances</li><li>• For electronics appliances</li><li>• For computer/telephonic appliances</li><li>• For shavers</li><li>• For battery chargers</li><li>• For LED lightings</li><li>• For table/standing lamps</li></ul>	IEC 61558-2-6 IEC 61558-2-16 IEC 60065 IEC 60950-1 IEC 60335-2-8 IEC 60335-2-29 IEC 61347-2-13 IEC 60598-2-4		
3	Any other audio products	IEC 60065		
4	Cooking range	IEC 60335-2-6		
5	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15		
6	Hair dryer	IEC 60335-2-23		
7	High-fidelity set	IEC 60065		
8	Iron	IEC 60335-2-3		
9	Kettle	IEC 60335-2-15		
10	Laser disc set	IEC 60065		
11	Microwave oven	IEC 60335-2-25		
12	Mobile split air-conditioner	IEC 60335-2-40		

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## I) Certification Body – For Product Certification and issuing of Certificate of Conformity (CoC)

No	Certification Body	Controlled Goods	Standards
		13 Mixer, blender, mincer and similar appliances	IEC 60335-2-14
		14 Refrigerator	IEC 60335-2-24
		15 Rice Cooker	IEC 60335-2-15
		16 Room air-conditioner	IEC 60335-2-40
		17 Television / Video display unit	IEC 60065
		18 Table fan / Standing fan	IEC 60335-2-80
		19 Toaster, grill, oven and similar appliances • hot plate and similar appliances • deep fryer, electric wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
		20 Video cassette recorder	IEC 60065
		21 Vacuum cleaner	IEC 60335-2-2
		22 Washing machine	IEC 60335-2-7
		23 Wall Fan/ceiling fan	IEC 60335-2-80 & sub-clauses 5.7 & 5.8 of SS 360 (for ceiling fan)
		24 3-pin rectangular type 13-amp plug	SS 145: Part 1
		25 3-pin round type 15-amp plug	SS 472
		26 3-pin portable socket-outlet	SS 145: Part 2
		27 3-pin 13-amp socket-outlet	SS 145: Part 2 BS 4177 (cooker control unit)
		28 3-pin round type 15-amp socket-outlet	SS 472
		29 Domestic electric wall switch	SS 227: Part 1 IEC 60669-1
		30 Instantaneous water heater	SS 146: Part 2: 5
		31 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
		32 Decorative lighting fixture	IEC 60598-2-20
		33 Ballast for tubular fluorescent lamp	IEC 61347-2-3 (electronic type)
		34 Isolating transformer for downlight fitting	IEC 61347-2-2 (electronic type) IEC 61558-2-6 (magnetic type) IEC 61347-2-13 (for LED downlight)
		35 Multi-way adaptor	SS 246
		36 Portable cable reel	SS 307
		37 Table/ standing lamp	IEC 60598-2-4
		38 Gas cooker	EN 30-1-1 AS 4551

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## I) Certification Body – For Product Certification and issuing of Certificate of Conformity (CoC)

No	Certification Body	Controlled Goods	Standards
3	<b>UL International Singapore Pte Ltd</b>  1 Maritime Square #11-03 Harbourfront Centre Singapore 099253  Contact person: Mr Aryan Josef Velchez Basas (Senior Project Engineer)  Tel: 6876 4616 Fax: 6271 3867 Email: AryanJosef.Basas@ul.com  Website: www.ul-asia.com	1 Adaptor <ul style="list-style-type: none"> <li>for computer &amp; telephone appliances</li> <li>for electronic appliances</li> <li>for electrical appliances</li> <li>for LED lighting</li> </ul>	IEC 60950-1 IEC 60065 IEC 61558-2-6 IEC 61347-2-13
		2 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
		3 Any other audio products	IEC 60065
		4 Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
		5 Cooker range	IEC 60335-2-6
		6 Hair dryer	IEC 60335-2-23
		7 High-fidelity set	IEC 60065
		8 Iron	IEC 60335-2-3
		9 Kettle	IEC 60335-2-15
		10 Laser disc set	IEC 60065
		11 Mixer, blender, mincer and similar appliances	IEC 60335-2-14
		12 Refrigerator	IEC 60335-2-24
		13 Rice cooker	IEC 60335-2-15
		14 Table/standing lamp	IEC 60598-2-4
		15 Table/ Standing fan	IEC 60335-2-80
		16 Toaster, grill, oven and similar appliances	IEC 60335-2-9
		17 Television/ video display unit	IEC 60065
		18 Vacuum cleaner	IEC 60335-2-2
		19 Video cassette recorder	IEC 60065
		20 Wall fan	IEC 60335-2-80
		21 Decorative lighting fixture	IEC 60598-2-20
		22 Immersion Water Heater	IEC 60335-2-74
		23 Microwave Oven	IEC 60335-2-25
		24 Washing Machine	IEC 60335-2-7
		25 Ballast for tubular fluorescent lamp	IEC 61347-2-8 (magnetic type) IEC 61347-2-3 (electronic type)
		26 Isolating transformer for down-light fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type) IEC 61347-2-13 (for LED downlight)

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## I) Certification Body – For Product Certification and issuing of Certificate of Conformity (CoC)

4	<b>TUV Rheinland (S) Pte Ltd</b>  25 International Business Park #03-13/14 German Centre Singapore 609916  Contact person: Mr Than Soe (Manager)  Tel: 65628750 DID: 62628748 Fax: 65628759  Email: ThanSoe@sin.tuv.com Website: www.tuv.com	1	Adaptor • for computer & telephonic appliances • for electronic appliances	IEC 60950-1 IEC 60065
		2	Home Computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
		3	Air cooler	IEC 60335-2-98
		4	Any other audio product	IEC 60065
		5	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
		6	High-fidelity set	IEC 60065
		7	Iron	IEC 60335-2-3
		8	Kettle	IEC 60335-2-15
		9	Laser disc set	IEC 60065
		10	Mobile split air-conditioner	IEC 60335-2-40
		11	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
		12	Rice cooker	IEC 60335-2-15
		13	Room air-conditioner	IEC 60335-2-40
		14	Television/video display set	IEC 60065
		15	Table/standing fan	IEC 60335-2-80
		16	Toaster, grill, roaster, hotplate and similar appliances	IEC 60335-2-9
		17	Video cassette recorder	IEC 60065
		18	Vacuum Cleaner	IEC 60335-2-2
		19	Washing Machine	IEC 60335-2-7
		20	Wall Fan	IEC 60335-2-80

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).



## CONFORMITY ASSESSMENT BODIES (LOCAL)

## I) Certification Body – For Product Certification and issuing of Certificate of Conformity (CoC)

5	<b>Centre Testing International Pte Ltd</b> Blk 10 Ubi Crescent #03-26 (Room C) Ubi Techpark Singapore 408564  Contact person: Mr Don Quek (Operation Director)  Tel: 6749 6013 Fax: 6742 5916  Email: donquek@cti-cert.com	1	Adaptor <ul style="list-style-type: none"> <li>• for shavers</li> <li>• for electronic appliances</li> <li>• for computer/ telephonic appliances</li> <li>• for battery chargers</li> <li>• for electrical appliances</li> <li>• for LED lightings</li> <li>• for table/standing lamps</li> </ul>	IEC 60335-2-8 IEC 60065 IEC 60950-1 IEC 60335-2-29 IEC 61558-2-6 IEC 61558-2-16 IEC 61347-2-13 IEC 60598-2-4
		2	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
		3	Hair dryer	IEC 60335-2-23
		4	Kettle	IEC 60335-2-15
		5	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
		6	Rice cooker	IEC 60335-2-15
		7	Table / standing fan	IEC 60335-2-80
		8	Toaster, grill, oven and similar appliances <ul style="list-style-type: none"> <li>• hot plate and similar appliances</li> <li>• deep fryer, electric wok and similar appliances</li> </ul>	IEC 60335-2-9 IEC 60335-2-13
		9	Vacuum cleaner	IEC 60335-2-2
		10	Wall fan	IEC 60335-2-80
		11	Any other audio products	IEC 60065
		12	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
		13	High-fidelity set	IEC 60065
		14	Laser disc set	IEC 60065
		15	Television/ video display unit	IEC 60065
		16	Video cassette recorder	IEC 60065
		17	Cooking range	IEC 60335-2-6
		18	Iron	IEC 60335-2-3
		19	Refrigerator	IEC 60335-2-24
		20	Table /standing lamp	IEC 60598-2-4
		21	Ballast for tubular fluorescent lamp	IEC 61347-2-8 (magnetic type) IEC 61347-2-3 (electronic type)
		22	Isolating transformer for downlight fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type) IEC 61347-2-13 (for LED downlight)

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## II) Testing Laboratories – For Product Testing and issuing of Test Report

No	Certification Body	Controlled Goods	Standards
1	<b>TUV SUD PSB Pte Ltd</b> <b>(Electrical and Electronics Centre)</b>  No. 1 Science Park Drive Singapore 118221  Contact person: Dr Deng JunHong (Vice President of Electrical and Electronic Centre)  Tel: 68851449 Fax: 67776409 Email: enquiries@tuv-sud-psb.sg or junhong.deng@tuv-sud-psb.sg  Website: www.tuv-sud-psb.com	1 Air cooler	IEC 60335-2-98
		2 Adaptor <ul style="list-style-type: none"> <li>for electrical appliances</li> <li>for electronics appliances</li> <li>for computer/telephonic appliances</li> <li>for shavers</li> <li>for battery chargers</li> <li>for LED lightings</li> <li>for table/standing lamps</li> </ul>	IEC 61558-2-6 IEC 61558-2-16 IEC 60065 IEC 60950-1 IEC 60335-2-8 IEC 60335-2-29 IEC 61347-2-13 IEC 60598-2-4
		3 Any other audio products	IEC 60065
		4 Cooking range	IEC 60335-2-6
		5 Coffee maker, slow cooker, steamboat and similar appliances	IEC 60335-2-15
		6 Decorative lighting fixture	IEC 60598-2-20
		7 Hair dryer	IEC 60335-2-23
		8 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
		9 High-fidelity set	IEC 60065
		10 Iron	IEC 60335-2-3
		11 Immersion water heater	IEC 60335-2-74
		12 Kettle	IEC 60335-2-15 IEC 60335-2-21 (water dispenser)
		13 Laser disc set	IEC 60065
		14 Microwave oven	IEC 60335-2-25
		15 Mobile split air-conditioner	IEC 60335-2-40
		16 Mixer, blender, mincer and similar appliances	IEC 60335-2-14
		17 Refrigerator	IEC 60335-2-24
		18 Rice cooker	IEC 60335-2-15
		19 Room air-conditioner	IEC 60335-2-40
		20 Television/video display unit	IEC 60065
		21 Table/ standing fan	IEC 60335-2-80
		22 Table/standing lamp	IEC 60598-2-4
		23 Toaster, grill, oven and similar appliances <ul style="list-style-type: none"> <li>hot plate and similar appliances</li> <li>deep fryer, electric wok and similar appliances</li> </ul>	IEC 60335-2-9 IEC 60335-2-13
		24 Video cassette recorder	IEC 60065
		25 Vacuum cleaner	IEC 60335-2-2
		26 Washing machine	IEC 60335-2-7
		27 Wall Fan/ceiling fan	IEC 60335-2-80 & sub-clauses 5.7 & 5.8 of SS 360 (for ceiling fan)
		28 3-pin rectangular type 13-Amp plug	SS 145: Part 1
		29 Fuse ( $\leq 13$ amperes) for use in plug	SS 167
		30 3-pin round type 15A plug	SS 472
		31 Multi-way adaptor	SS 246
		32 3-pin portable socket-outlet	SS 145: Part 2

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## II) Testing Laboratories – For Product Testing and issuing of Test Report

No	Certification Body	Controlled Goods		Standards
	For item (42) to (45), please contact:  Mr Tan Kim Heng (Assistant Vice President of Mechanical Centre)  Tel: 68851542 Fax: 67799303  Email: kim-heng.tan@tuv-sud-psb.sg	33	Portable cable reel	SS 307
		34	Instantaneous water heater	SS 146: Part 2: 5
		35	Mains pressure electric storage water heater	SS 146: Part 2: 8
		36	Residual current circuit breaker (RCCB)	SS 97: Part 1
		37	3-pin 13-amp socket-outlet	SS 145: Part 2 BS 4177 (cooker control unit) BS 7288 (socket-outlet with RCD)
		38	3-pin round type 15-amp socket-outlet:	SS 472
		39	Domestic electric wall switch:	SS 227: Part 1 IEC 60669-1
		40	Ballast for tubular fluorescent lamp	IEC 61347-2-8 (magnetic type) IEC 61347-2-3 (electronic type)
		41	Isolating transformer for downlight fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type) IEC 61347-2-13 (for LED downlight)
		42	Components of the LPG gas system <ul style="list-style-type: none"> <li>• Hose</li> <li>• Regulator</li> <li>• Valve</li> </ul>	SS 233 SS 281 SS 294
		43	Gas Cooker	EN 30-1-1 AG 101
		44	Gas Canister	SS 400
		45	Portable cooking gas appliances	SS 401
2	<b>Intertek Testing Services (S) Pte Ltd</b>  Asiawide Industrial Building 5 Pereira Road #06-01 Singapore 368025  Mr Wong Tuck Hoong Head (Testing Department)  Tel: 6282 7187 ext 209 Fax: 6280 0840 Email: tuckhoong.wong@intertek.com	1	Hair Dryer	IEC 60335-2-23
		2	Electric Iron	IEC 60335-2-3
		3	Table fan / standing fan	IEC 60335-2-80
		4	Vacuum Cleaner	IEC 60335-2-2
		5	Wall fan/ceiling fan	IEC 60335-2-80 & Sub-clauses 5.7 & 5.8 of SS 360 (for ceiling fan)
		6	3-pin rectangular type 13-amp plug	SS 145: Part 1
		7	3-pin round type 15-amp plug	SS 472
		8	Multi-Way Adaptor	SS 246
		9	3-pin portable socket-outlet	SS 145: Part 2
		10	3-pin 13-amp socket-outlet	SS 145: Part 2
		11	3-pin round type 15-amp socket-outlet	SS 472
		12	Domestic electric wall switch	SS 227: Part 1 IEC 60669-1
		13	Adaptor <ul style="list-style-type: none"> <li>• for electronics appliances</li> <li>• for LED lightings</li> </ul>	IEC 60065 IEC 61347-2-13
		14	Any other audio products	IEC 60065

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (LOCAL)

## II) Testing Laboratories – For Product Testing and issuing of Test Report

No	Certification Body	Controlled Goods		Standards
	<b>Intertek Testing Services (S) Pte Ltd</b>  Asiawide Industrial Building 5 Pereira Road #06-01 Singapore 368025  Mr Wong Tuck Hoong Head (Testing Department)  Tel: 6282 7187 ext 209 Fax: 6280 0840 Email: tuckhoong.wong@intertek.com	15	Coffee maker, slow cooker, steamboat and similar appliances	IEC 60335-2-15
		16	High-fidelity set	IEC 60065
		17	Kettle	IEC 60335-2-15
		18	Laser disc set	IEC 60065
		19	Rice cooker	IEC 60335-2-15
		20	Television/video display unit	IEC 60065
		21	Video cassette recorder	IEC 60065
		22	Isolating transformer for downlight fitting	IEC 61347-2-13 (for LED downlight)
3	<b>SETSCO Services (S) Pte Ltd</b>  18 Teban Gardens Crescent Singapore 608925  Mr Edwin Leong Principle Engineer Tel: 6566 7777 ext 363 Fax: 6566 7718 Email: edwinleong@setsco.com	1	Cooking Range	IEC 60335-2-6
		2	Coffee maker, slow cooker, steamboat and similar appliances	IEC 60335-2-15
		3	Hair Dryer	IEC 60335-2-23
		4	Electric Iron	IEC 60335-2-3
		5	Kettle	IEC 60335-2-15 IEC 60335-2-21 (hot/warm water dispenser)
		6	Rice cooker	IEC 60335-2-15
		7	Table fan / standing fan	IEC 60335-2-80
		8	Toaster, grill, oven and similar appliances <ul style="list-style-type: none"><li>hot plate and similar appliances</li><li>deep fryer, electric wok and similar appliances</li></ul>	IEC 60335-2-9 IEC 60335-2-13
		9	Wall/ceiling fan	IEC 60335-2-80 & sub-clauses 5.7 & 5.8 of SS 360 (for ceiling fan)
		10	Instantaneous water heater	SS 146: Part 2: 5
		11	Vacuum cleaner	IEC 60335-2-2
		12	Washing machine	IEC 60335-2-7
		13	Storage water heater	SS 146: Part 2: 8
		14	Gas canister	SS 400

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## I) Designation under the ANZSCEP – For Product Testing and issuing of Test Report

No	Country	Testing Laboratory	Controlled Goods		Standards
1	New Zealand	<b>UL International New Zealand Ltd, Christchurch</b> (formerly Parkside Laboratories Ltd)  10 Vanadium Place, PO Box 9194, Christchurch, New Zealand  Contact person: Mr Manuel Shimasaki Operations Manager, Australia  Tel: +64-3-339 1670 Fax: +64-3-339 1671  Email: enquiries@nz.ul.com  Website: www.nz.ul.com	1	Air Cooler	IEC 60335-2-98
			2	Adaptor • for electronic appliances: • for computer & telephonic appliances	IEC 60065 IEC 60950-1
			3	Any other audio products	IEC 60065
			4	Cooking range	IEC 60335-2-6
			5	Coffee maker, slow cooker, steam boat & similar appliances	IEC 60335-2-15
			6	Decorative lighting fixture	IEC 60598-2-20
			7	Hair dryer	IEC 60335-2-23
			8	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			9	High-fidelity set	IEC 60950-1
			10	Iron	IEC 60335-2-3
			11	Immersion water heater	IEC 60335-2-74
			12	Kettle	IEC 60335-2-15
			13	Laser disc set	IEC 60065
			14	Mobile split air-conditioner	IEC 60335-2-40
			15	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			16	Microwave oven	IEC 60335-2-25
			17	Refrigerator	IEC 60335-2-24
			18	Rice cooker	IEC 60335-2-15
			19	Room air-conditioner	IEC 60335-2-40
			20	Television / video display unit	IEC 60065
			21	Table/standing fan	IEC 60335-2-80
			22	Table lamp / standing lamp	IEC 60598-2-4
			23	Toaster, grill, oven and similar appliances • hot plate and similar appliances • deep fryer, electric wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			24	Video cassette recorder	IEC 60065
			25	Vacuum cleaner	IEC 60335-2-2
			26	Washing machine	IEC 60335-2-7
			27	Wall fan	IEC 60335-2-80

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## II) Designation under the ANZSCEP – For Product Testing and issuing of Test Report

No	Country	Testing Laboratory	Controlled Goods		Standards
2	New Zealand	<b>UL International New Zealand Ltd, Auckland</b>  (formerly Wakefield Laboratories Limited)  UL International NZ. 21 Tarnsdale Grove, Auckland 0632, NZ.  Contact person: Mr Werner Sievert Laboratory Manager  Tel : +64.9.415.3355 DID : +64.9.414.9585 Fax : +64.9.415.3356 Email : enquiries@nz.ul.com werner.sievert@ul.com Website : http://www.nz.ul.com	1	Air Cooler	IEC 60335-2-98
			2	Adaptor • for electronic appliances • for computer & telephonic appliances	IEC 60065 IEC 60950-1
			3	Any other audio products	IEC 60065
			4	Cooking range	IEC 60335-2-6
			5	Coffee maker, slow cooker, steam boat & similar appliances	IEC 60335-2-15
			6	Decorative lighting fixture	IEC 60598-2-20
			7	Hair dryer	IEC 60335-2-23
			8	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			9	High-fidelity set	IEC 60950-1
			10	Iron	IEC 60335-23
			11	Immersion water heater	IEC 60335-2-74
			12	Kettle	IEC 60335-2-15
			13	Laser disc set	IEC 60065
			14	Mobile split air-conditioner	IEC 60335-2-40
			15	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			16	Microwave oven	IEC 60335-2-25
			17	Refrigerator	IEC 60335-2-24
			18	Rice cooker	IEC 60335-2-15
			19	Room air-conditioner	IEC 60335-2-40
			20	Television / video display unit	IEC 60065
			21	Table / standing fan	IEC 60335-2-80
			22	Table lamp / standing lamp	IEC 60598-2-4
			23	Toaster, grill, oven and similar appliances • hot plate and similar appliances • deep fryer, electric wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			24	Video cassette recorder	IEC 60065
			25	Vacuum cleaner	IEC 60335-2-2
			26	Washing machine	IEC 60335-2-7
			27	Wall fan	IEC 60335-2-80

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## III) Designation under the ASEAN EE MRA – For Product Certification and issuing of CoC

No	Country	Certification Body	Controlled Goods		Standards
1	Vietnam	<b>Vietnam Certification Body (QUACERT)</b>  8 Hoang Quoc Viet Cau Giay District Hanoi Vietnam  Contact person: Mr Tran Van Vinh Director  Email: vinhthv@quacert.gov.vn  Tel: + 84-4-7561025 Fax: + 84-4-7563188	1	Iron	IEC 60335-23
			2	Washing machine	IEC 60335-2-7
			3	Coffee maker, slow cooker, steam boat & similar appliances	IEC 60335-2-15
			4	Kettle	IEC 60335-2-15
			5	Rice cooker	IEC 60335-2-15
			6	Hair dryer	IEC 60335-2-23
			7	Table/standing fan	IEC 60335-2-80
			8	Wall fan	IEC 60335-2-80
2	Indonesia	<b>Sucofindo International Certification Services (SICS)</b>  PT. Sucofindo (Persero) SBU Sucofindo International Certification Services (SICS) Graha Sucofindo B1 Floor, Jl. Raya Pasar Minggu Kav. 34, Jakarta 12780, Indonesia  Contact person: Mr Boneanto A. Kahar Head of SBU Sucofindo ICS  Email: boneanto@sucofindo.co.id  Tel: (62)21 7983666 ext 2069 Fax: (62)21 7987015	1	Iron	IEC 60335-2-3:2002 (ed.5), amd 1
			2	Washing machine	IEC 60335-2-7:2002 (ed.6), amd 1
			3	Mixer, blender, mincer and similar appliances	IEC 60335-2-14:2002 (ed.4)
			4	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15:2002 (ed.5), amd 1
			5	Kettle	IEC 60335-2-15:2002 (ed.5), amd 1
			6	Rice cooker	IEC 60335-2-15:2002 (ed.5), amd 1
			7	Hairdryer	IEC 60335-2-23:2003 (ed.5), amd 1
			8	Refrigerator	IEC 60335-2-24:2000 (ed.5) IEC 60335-2-24:2002 (ed.6), amd 1
			9	Room air-conditioner	IEC 60335-2-40:2002 (ed.4), amd 1
			10	Mobile split air-conditioner	IEC 60335-2-40:2002 (ed.4), amd 1
			11	Domestic electric wall switch	IEC 60669-1:1998 (ed.3), amd 1 IEC 60669-1:1998 (ed.3), amd 2 IEC 60669-1:1998 (ed.3), amd 1, amd 2
			12	Table/ standing fan	IEC 60335-2-80:2002 (ed.2), amd 1

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## IV) Designation under the ASEAN EE MRA – For Product Testing and issuing of Test Report

No	Name of Testing Laboratory	(1) SIRIM QAS Int'l Sendirian Berhad	(2) Quality Assurance and Testing Center 3 (QUATEST 3)	(3) PT Hartono Instana Teknologi, Indonesia (HIT)	(4) Balai Besar Bahan dan Barang Teknik (B4T)	(5) PT. PLN Research and Development Laboratory	(6) TUV SUD PSB (THAILAND) Limited	(7) ITS Thailand 1	(8) ITS Thailand 2
		Malaysia	Vietnam	Indonesia	Indonesia	Indonesia	Thailand	Thailand	Thailand
1	Air Cooler: IEC 60335-2-98								
2	Adaptor (a) for electrical appliances: IEC 61558-2-6; IEC 61558-2-16								
	(b) for electronic appliances: IEC 60065	X							
	(c) for computer & telephonic appliances: IEC 60950-1	X						X	
	(d) for shavers : IEC 60335-2-8								
	(e) for battery chargers : IEC 60335-2-29	X							
	(f) for LED lightings: IEC 61347-2-13								
	(g) for table/standing lamps: IEC 60598-2-4								
3	Any other audio products: IEC 60065	X		X	X				
4	Cooking range: IEC 60335-2-6	X					X		
5	Coffee maker, slow cooker, steamboat and similar appliances: IEC 60335-2-15	X	X				X		
6	Decorative lighting fixture: IEC 60598-2-20	X	X				X		
7	Hair dryer: IEC 60335-2-23	X						X	
8	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories): IEC 60950-1	X							
9	High-fidelity set: IEC 60065	X	X	X	X		X		
10	Electric Iron: IEC 60335-2-3								
11	Immersion water heater: IEC 60335-2-74	X	X				X		



**SINGAPORE CONSUMER PROTECTION (SAFETY REQUIREMENTS) REGISTRATION SCHEME**

**Appendix Y**

**CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)**

**IV) Designation under the ASEAN EE MRA – For Product Testing and issuing of Test Report**

No	Name of Testing Laboratory	(1) SIRIM QAS Int'l Sendirian Berhad	(2) Quality Assurance and Testing Center 3 (QUATEST 3)	(3) PT Hartono Instana Teknologi, Indonesia (HIT)	(4) Balai Besar Bahan dan Barang Teknik (B4T)	(5) PT. PLN Research and Development Laboratory	(6) TUV SUD PSB (THAILAND) Limited	(7) ITS Thailand 1	(8) ITS Thailand 2
		Malaysia	Vietnam	Indonesia	Indonesia	Indonesia	Thailand	Thailand	Thailand
12	Kettle								
	(a) Electric Kettle : IEC 60335-2-15	X	X	X			X		
	(b) Water Dispenser: IEC 60335-2-21								
13	Laser disc set: IEC 60065	X							
14	Microwave oven: IEC 60335-2-25						X	X	X
15	Mobile split air-conditioner: IEC 60335-2-40				X				
16	Mixer, blender, mincer and similar appliances: IEC 60335-2-14	X		X			X		
17	Refrigerator: IEC 60335-2-24	X		X	X		X	X	
18	Rice Cooker: IEC 60335-2-15	X	X				X		
19	Room air-conditioner: IEC 60335-2-40			X					X
20	Television/ Video display unit: IEC 60065	X							
21	Table/ Standing fan: IEC 60335-2-80	X	X	X			X		
22	Table lamp/ standing lamp: IEC 60598-2-4	X						X	
23	Toaster, grill, oven and similar appliances	X					X		
	(a) Hot plate and similar appliances: IEC 60335-2-9								
	(b) Deep fryer, electric wok and similar appliances: IEC 60335-2-13						X		

**SINGAPORE CONSUMER PROTECTION (SAFETY REQUIREMENTS) REGISTRATION SCHEME**

**Appendix Y**

**CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)**

**IV) Designation under the ASEAN EE MRA – For Product Testing and issuing of Test Report**

No	Name of Testing Laboratory	(1) SIRIM QAS Int'l Sendirian Berhad	(2) Quality Assurance and Testing Center 3 (QUATEST 3)	(3) PT Hartono Instana Teknologi, Indonesia (HIT)	(4) Balai Besar Bahan dan Barang Teknik (B4T)	(5) PT. PLN Research and Development Laboratory	(6) TUV SUD PSB (THAILAND) Limited	(7) ITS Thailand 1	(8) ITS Thailand 2
		Malaysia	Vietnam	Indonesia	Indonesia	Indonesia	Thailand	Thailand	Thailand
24	Video cassette recorder: IEC 60065	X	X	X			X		
25	Vacuum cleaner: IEC 60335-2-2	X					X	X	
26	Washing machine: IEC 60335-2-7	X	X	X	X		X	X	
27	Fan (a) Wall fan: IEC 60335-2-80	X	X				X	X	
	(b) Ceiling fan: IEC 60335-2-80 & SS 360 sub-clause 5.7 & 5.8								
28	3-pin rectangular type 13-Amp plug: SS 145: Part 1	X							
29	Fuse ( $\leq 13$ amperes) for use in plug: SS 167								
30	3-pin round type 15A plug: SS 472								
31	Multi-way adaptor: SS 246								
32	3-pin portable socket-outlet: SS 145: Part 2	X							
33	Portable cable reel: SS 307								
34	Instantaneous water heater: SS 146: Part 2: 5								X
35	Mains Pressure Electric Storage Water Heater: SS 146: Part 2: 8								
36	Residual Current Circuit Breaker (RCCB): SS 97: Part 1								

# SINGAPORE CONSUMER PROTECTION (SAFETY REQUIREMENTS) REGISTRATION SCHEME

## Appendix Y

### CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

#### IV) Designation under the ASEAN EE MRA – For Product Testing and issuing of Test Report

No	Name of Testing Laboratory	(1) SIRIM QAS Int'l Sendirian Berhad	(2) Quality Assurance and Testing Center 3 (QUATEST 3)	(3) PT Hartono Instana Teknologi, Indonesia (HIT)	(4) Balai Besar Bahan dan Barang Teknik (B4T)	(5) PT. PLN Research and Development Laboratory	(6) TUV SUD PSB (THAILAND) Limited	(7) ITS Thailand 1	(8) ITS Thailand 2
		Malaysia	Vietnam	Indonesia	Indonesia	Indonesia	Thailand	Thailand	Thailand
37	3-pin 13-amp Socket-Outlet: SS 145: Part 2	X							
	(a) With Cooker Control Unit: BS 4177								
	(b) With RCD: BS 7288								
38	3-pin round type 15-amp Socket-Outlet: SS 472								
39	Domestic electric wall switch: SS 227: Part 1; IEC 60669-1	X				X			
40	Ballast for tubular fluorescent lamp (a) Magnetic Ballast: SS 490: Part 2: 8; IEC 61347-2-8	X							
	(b) Electronic Ballast: SS 490: Part 2: 3; IEC 61347-2-3	X							
41	Isolating transformer for downlight fitting (a) for magnetic type: IEC 61558-2-6	X							
	(b) for electronic type: IEC 61347-2-2								
	(c) for LED downlight: IEC 61347-2- 13								

For detailed information on the above Listed Testing Laboratories under the ASEAN EE MRA, please visit the ASEAN website at [www.aseansec.org](http://www.aseansec.org).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## V) Designation under the SPRING- BSMI EE MRA – For Product Certification and issuing of CoC

No	Country	Certification Body	Controlled Goods		Standards
1	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>The Sixth Division, Bureau of Standards, Metrology and Inspection (BSMI), MOEA</b>  No 4 Chinan Road Section 1, Taipei 100 Taiwan  Contact person: Mr WANG Hui-Wen Acting Chief, Section of Registration of Application and Certification Sixth Division, BSMI MOEA  Tel: 886-2-2343-1840  Fax: 886-2- 2393-2324  Email: sansan.wang@bsmi.gov.tw  Website: bsmi.gov.tw	1	Any other audio product	IEC 60065: 2001
			2	Cooking range	IEC 60335-2-6: 2002
			3	Coffee maker, slow cooker, steam boat & similar appliances	IEC 60335-2-15: 2002
			4	Decorative lighting fixture	IEC 60598-2-20: 2002
			5	Hair dryer	IEC 60335-2-23: 2003
			6	High-fidelity set	IEC 60065: 2001
			7	Iron	IEC 60335-2-3: 2002
			8	Immersion water heater	IEC 60335-2-74: 2002
			9	Kettle	IEC 60335-2-15: 2002
			10	Laser disc set	IEC 60065: 2001
			11	Microwave oven	IEC 60335-2-25: 2002
			12	Mobile split air-conditioner	IEC 60335-2-40: 2002
			13	Mixer, blender, mincer & similar appliances	IEC 60335-2-14: 2002
			14	Refrigerator	IEC 60335-2-24: 2000
			15	Rice cooker	IEC 60335-2-15: 2002
			16	Room air-conditioner	IEC 60335-2-40: 2002
			17	Television / video display unit	IEC 60065: 2001
			18	Table/standing fan	IEC 60335-2-80: 2002
			19	Table/standing lamp	IEC 60598-2-4: 1997
			20	Toaster, grill, oven and similar appliances <ul style="list-style-type: none"> <li>• hot plate and similar appliances</li> <li>• deep fryer, electric wok and similar appliances</li> </ul>	IEC 60335-2-9: 2002 IEC 60335-2-13: 2002
			21	Video cassette recorder	IEC 60065: 2001
			22	Vacuum cleaner	IEC 60335-2-2: 2002
			23	Washing machine	IEC 60335-2-7: 2000
			24	Wall fan only	IEC 60335-2-80: 2002
			25	Domestic electric wall switch	IEC 60669-1: 1998
			26	Ballast for tubular fluorescent lamp	IEC 61347-2-8: 2000 (magnetic type) IEC 61347-2-3: 2000 (electronic type)

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## VI) Designation under the SPRING-BSMI EE MRA – For Product Testing and issuing of Test Report

No	Country	Testing Laboratory	Controlled Goods	Standards
2	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>Intertek Testing Services Taiwan Ltd, (Safety Laboratory)</b>  5F No. 423 Ruiguang Road Neihu District Taipei 114 Taiwan  Contact person: Mr Gary Yunn Manager, Quality System Dept  Tel: 886-2-6602-2705 Fax: 886-2-6602-2415  Email: gary.yunn@intertek.com  Website: www.etlsemko.com.tw	1 Adaptor <ul style="list-style-type: none"> <li>for electronic appliances</li> <li>for computer/telephonic appliances</li> </ul>	IEC 60065: 1998 & 2001 IEC 60950-1: 2001
			2 Video cassette recorder	IEC 60065: 1998 & 2001
			3 Table/standing lamp	IEC 60598-2-4: 1997
			4 Vacuum cleaner	IEC 60335-2-2: 1993 & 2003
			5 Cooking range	IEC 60335-2-6: 1997 & 2002
			6 Toaster, grill, oven and similar appliances <ul style="list-style-type: none"> <li>hot plate and similar appliances</li> <li>deep fryer, electric wok and similar appliances</li> </ul>	IEC 60335-2-9: 1993 & 2003 IEC 60335-2-13: 2002
			7 Mixer, blender, mincer and similar appliances	IEC 60335-2-14: 1994 & 2002
			8 Rice cooker	IEC 60335-2-15: 1995 & 2002
			9 Table/standing fan	IEC 60335-2-80: 1997 & 2002
			10 Wall fan only	IEC 60335-2-80: 1997 & 2002
			11 Air cooler	IEC 60335-2-98: 1997 & 2002
			12 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950: 1999 IEC 60950-1: 2001
3	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>SGS Taiwan Ltd (Safety Laboratory)</b>  No 134 Wu Kung Road New Taipei Industrial Park, WuKu District, New Taipei City 24803, Taiwan (R.O.C.)  Contact person: Mr Jimmy LU (Tech-Manager)  Tel: 886-2-2299-3279 ext 1468 Fax: 886-2-2299-9489  Email: Jimmy.lu@sgs.com	1 Coffee maker, slow cooker, steam boat and similar appliance	IEC 60335-2-15: 2002
			2 Vacuum cleaner	IEC 60335-2-2: 2002
			3 Hair dryer	IEC 60335-2-23: 2003
			4 Mixer, blender, mincer and similar appliances	IEC 60335-2-14: 2002
			5 Table/standing fan	IEC 60335-2-80: 2002
			6 Wall fan/ceiling fan	IEC 60335-2-80: 2002 Sub-clauses of 5.7 & 5.8 (for ceiling fan only)
			7 Toaster, grill, oven and similar appliances <ul style="list-style-type: none"> <li>hot plate and similar appliances</li> <li>deep fryer, electric wok and similar appliances</li> </ul>	IEC 60335-2-9: 2003 IEC 60335-2-13: 2002
			8 Iron	IEC 60335-2-3: 2002
			9 Cooking range	IEC 60335-2-6: 2002
			10 Rice cooker	IEC 60335-2-15: 2002
			11 Kettle	IEC 60335-2-15: 2002
			12 Adaptor <ul style="list-style-type: none"> <li>for electronic appliances</li> <li>for computer/telephonic appliances</li> <li>for table/standing lamps</li> </ul>	IEC 60065: 2001 IEC 60950-1: 2001 IEC 60598-2-4: 1997
			<ul style="list-style-type: none"> <li>for LED lightings</li> </ul>	IEC 61347-2-13: 2006
			13 Video cassette recorder	IEC 60065: 2001
			14 Laser disc set	IEC 60065: 2001
			15 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1: 2001
			16 High-fidelity set	IEC 60065: 2001
			17 Television/ Video display unit	IEC 60065: 2001
			18 Decorative lighting fixture	IEC 60598-2-20: 2002

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## VI) Designation under the SPRING-BSMI EE MRA – For Product Testing and issuing of Test Report

No	Country	Testing Laboratory	Controlled Goods		Standards
	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>SGS Taiwan Ltd (Safety Laboratory)</b>	19	Table lamp/ Standing lamp	IEC 60598-2-4: 1997
			20	Ballast for tubular fluorescent lamp	IEC 61347-2-8 (magnetic type)
			21	Isolating transformer for downlight fitting	IEC 61347-2-3 (electronic type)
					IEC 61347-2-2 (electronic type)
					IEC 61347-2-13 (for LED downlight)
4	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>Aerospace Industrial Development Corporation, Electromagnetic Effects Laboratory</b>  No 38-3, Jong-Ching Road, Salu Township, TaiChung County 433, Taiwan  Contact person: Mr Marlon Huang Manager  Tel: 886-4-2707 0001 ext 504797 Fax: 886-4-2624-4023  Email: Zen-fong_huang@ms.aidc.co m.tw	22	Any other audio products	IEC 60065: 2001
			1	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
			2	Vacuum cleaner	IEC 60335-2-2
			3	Hair dryer	IEC 60335-2-23
			4	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			5	Table/standing fan	IEC 60335-2-80
			6	Wall fan	IEC 60335-2-80
			7	Toaster, grill, oven and similar appliances • hot plate and similar appliances • deep fryer, electric wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			8	Iron	IEC 60335-2-3
			9	Cooking range	IEC 60335-2-6
			10	Rice cooker	IEC 60335-2-15
			11	Kettle	IEC 60335-2-15
			12	Adaptor • for electronic appliances • for computer/telephonic appliances	IEC 60065 IEC 60950 IEC 60950-1
			13	Video cassette recorder	IEC 60065
			14	Laser disc set	IEC 60065
			15	Microwave oven	IEC 60335-2-25
			16	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950 IEC 60950-1
			17	Any other audio products	IEC 60065
			18	High-fidelity set	IEC 60065
			19	Television/ video display unit	IEC 60065

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## VI) Designation under the SPRING-BSMI EE MRA – For Product Testing and issuing of Test Report

No	Country	Testing Laboratory	Controlled Goods		Standards
5	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>Guanyin Safety &amp; EMC Testing Laboratory, Taiwan Electric Research &amp; Testing Center</b>  No 6-6, Rungung S. Road, Psauts Tsuen, Guanyin Shiang, Taoyuan, Taiwan  Contact person: Mr Jimmy YEH Deputy Manager  Tel: 886-3-483 9090 ext 7101 Fax: 886-3-483 8722  Email: jim@ms.tertec.org.tw	1	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
			2	Vacuum cleaner	IEC 60335-2-2
			3	Hair dryer	IEC 60335-2-23
			4	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			5	Table /standing fan	IEC 60335-2-80
			6	Iron	IEC 60335-2-3
			7	Wall fan/ceiling fan	IEC 60335-2-80 & Sub-clauses of 5.7 & 5.8 (for ceiling fan only)
			8	Toaster, grill, oven and similar appliances • hot plate and similar appliances • deep fryer, electric wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			9	Cooking range	IEC 60335-2-6
			10	Rice cooker	IEC 60335-2-15
			11	Kettle	IEC 60335-2-15
			12	Washing machine	IEC 60335-2-7
			13	Air cooler	IEC 60335-2-98
			14	Microwave oven	IEC 60335-2-25
			15	Refrigerator	IEC 60335-2-24
			16	Room air-conditioner	IEC 60335-2-40
			17	Immersion Water Heater	IEC 60335-2-74
6	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>Lin Kou Laboratory, Taoyuan Branch of Bureau Veritas Consumer Products Services (Hong Kong) Limited</b>  No 19 Hwa Ya 2nd Road Kwei Shan Taoyuan Taiwan (ROC)  Contact person: Mr Ted WU Manager  Tel: 886-3-318-3232 ext 1828 Fax: 886-3-318-5050  Email: ted.wu@tw.bureauveritas.com	1	Adaptor • for electronic appliances	IEC 60065: 2001
			2	Cooking range	IEC 60335-2-6: 2002
			3	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15: 2002
			4	Hair dryer	IEC 60335-2-23: 2003
			5	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1: 2001
			6	High-fidelity set	IEC 60065: 2001
			7	Iron	IEC 60335-2-3: 2002
			8	Immersion water heater	IEC 60335-2-74: 2002
			9	Kettle	IEC 60335-2-15: 2002
			10	Laser disc set	IEC 60065: 2001
			11	Mixer, blender, mincer and similar appliances	IEC 60335-2-14: 2002
			12	Rice Cooker	IEC 60335-2-15: 2002
			13	Television / Video display unit	IEC 60065: 2001
			14	Table/ Standing fan	IEC 60335-2-80: 2002
			15	Toaster, grill, oven and similar appliances • hot plate and similar appliances	IEC 60335-2-9: 2002
			16	Video cassette recorder	IEC 60065

Note: The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## VI) Designation under the SPRING-BSMI EE MRA – For Product Testing and issuing of Test Report

No	Country	Testing Laboratory	Controlled Goods		Standards
7	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	Action Technology Patent Co., Ltd (Safety Laboratory)  3F, No. 196 & 198, Section 3, Da-Tung Road, His Chih City, Taipei County 221, Taiwan, ROC  Contact person: Ms Vicky CHENG Assistant-QA, Safety Laboratory  Tel: 886-2-8647-1366 ext 135 Fax: 886-2-8647-1356  Email: vicky@action-inc.com.tw	1	Table lamp / Standing lamp	IEC 60598-1-4: 1997
			2	Decorative lighting fixture	IEC 60598-2-20: 1996 or 2002
			3	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15: 2002
			4	Vacuum Cleaner	IEC 60335-2-2: 2002
			5	Mixer, blender, mincer and similar appliances	IEC 60335-2-14: 2002
			6	Microwave Oven	IEC 60335-2-25: 2002
			7	Toaster, grill, oven and similar appliances • hot plate and similar appliances • deep fryer, electric wok and similar appliances	IEC 60335-2-9: 2002 IEC 60335-2-13: 2002
			8	Washing Machines	IEC 60335-2-7: 2000
			9	Immersion water heater	IEC 60335-2-74: 2002
			10	Cooking range	IEC 60335-2-6: 2002
			11	Hair dryer	IEC 60335-2-23: 2003
			12	Mobile split air-conditioner	IEC 60335-2-40: 2002
			13	Iron	IEC 60335-2-3: 2002
			14	Table/ Standing fan	IEC 60335-2-80: 2002
			15	Wall fan	IEC 60335-2-80: 2002
			16	Rice Cooker	IEC 60335-2-15: 2002
			17	Kettle	IEC 60335-2-15: 2002
			18	Adaptor • for electronics appliances • for computer/telephonic appliances • for electrical appliances	IEC 60065: 2001 IEC 60950-1 IEC 61558-2-6: 1997
			19	High-fi set	IEC 60065: 2001
			20	Any other audio products	IEC 60065: 2001
			21	Television/ Video display unit	IEC 60065: 2001
			22	Video Cassette recorder	IEC 60065: 2001
			23	Laser disc set	IEC 60065: 2001
			24	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1: 2001

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## CONFORMITY ASSESSMENT BODIES (FOREIGN-MRA)

## VI) Designation under the SPRING-BSMI EE MRA – For Product Testing and issuing of Test Report

No	Country	Testing Laboratory	Controlled Goods		Standards
8	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	<b>Photovoltaic and Lighting Laboratory, Taiwan Electric Research &amp; Testing Centre</b>  No 6-6 Ronggong S. Road, Caota Village, Guanyin Township, Taoyuan County 328 Taiwan, ROC  Contact person: Mr Chun-Hung LIN Manager  Tel: 886-3-4839090 ext 7105 Fax: 886-3-4838722  Email: hank@ms.tertec.org.tw	1	Any other audio product	IEC 60065
			2	High-fidelity set	IEC 60065
			3	Television/ Video display unit	IEC 60065
			4	Video cassette recorder	IEC 60065
			5	Laser disc set	IEC 60065
			6	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			7	Decorative lighting fixture	IEC 60598-2-20
			8	Table lamp / Standing lamp	IEC 60598-2-20
9	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	Telecom Technology Center, Telecom Technology Center Communication and Photovoltaic Laboratory  Contact person: Mr Casper Tsai Director  Tel: 886-7-627-7103 Fax: 886-7-695-5009  Email: casper_tsai@ttc.org.tw www.ttc.org.tw	1	Adaptor • for electronic appliances • for computer/telephonic appliances	IEC 60065: 2001 IEC 60950-1: 2001
			2	Video cassette recorder	IEC 60065: 2001
			3	Laser disc set	IEC 60065: 2001
			4	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1: 2001
			5	Any other audio products	IEC 60065: 2001
			6	High-fidelity set	IEC 60065: 2001
			7	Television / Video display unit	IEC 60065: 2001
10	The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)	Cerpass Technology Corporation Test Laboratory  Contact person: Mr Ben Wang Quality Manager  Tel: 886-3-322-6888 ext 1813 Fax: 886-3-322-6881  Email: benw@cerpass.com.tw	1	Adaptor • for electronic appliances • for computer/telephonic appliances	IEC 60065: 2001 IEC 60950-1: 2001
			2	Any other audio products	IEC 60065: 2001
			3	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1: 2001
			4	High-fidelity set	IEC 60065: 2001
			5	Laser disc set	IEC 60065: 2001
			6	Television / Video display unit	IEC 60065: 2001
			7	Video cassette recorder	IEC 60065: 2001

**Note: The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).**

### RECOGNISED TESTING LABORATORIES

#### RTL – for Product Testing and issuing of Test Report:-

No	Country	Testing Laboratory	Controlled Goods		Standards
1	Hong Kong	<b>Intertek Testing Services Hong Kong Ltd</b> (Consumer & Commercial Electrical Division)  2/F, Garment Centre 576 Castle Peak Road, Kowloon, Hong Kong  Contact person: Mr Daniel K.K. Yau (Vice President)  Tel: (852) 21738542 Fax: (852) 21738542 Email: Daniel.yau@intertek.com  Website: www.hk.intertek-etlsemko.com	1	Iron	IEC 60335-2-3
			2	Cooking range	IEC 60335-2-6
			3	Washing machine	IEC 60335-2-7
			4	Toaster, grill, oven, hot-plate, deep fat fryer, wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			5	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			6	Rice cooker	IEC 60335-2-15
			7	Kettle	IEC 60335-2-15
			8	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
			9	Hair dryer	IEC 60335-2-23
			10	Refrigerator	IEC 60335-2-24
			11	Room air-conditioner	IEC 60335-2-40
			12	Table/standing fan	IEC 60335-2-80
			13	Wall fan	IEC 60335-2-80
			14	Any other audio products	IEC 60065
			15	High-fidelity set	IEC 60065
			16	Laser disc set	IEC 60065
			17	Television / video display unit	IEC 60065
			18	Video cassette recorder	IEC 60065
			19	Adaptor <ul style="list-style-type: none"> <li>• for electronic appliances</li> <li>• for electrical appliances</li> <li>• for computer/ telephonic appliances</li> <li>• for shavers</li> <li>• for battery chargers</li> </ul>	IEC 60065 IEC 61558-2-6 IEC 60950-1 IEC 60335-2-8 IEC 60335-2-29
			20	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			21	Table/standing lamp	IEC 60598-2-4
			22	Decorative lighting fixture	IEC 60598-2-20
			23	3-pin rectangular type 13-amp plug	SS 145: Part 1
			24	Multi-way adaptor	SS 246
			25	3-pin portable socket-outlet	SS 145: Part 2
			26	Mobile split air-conditioner	IEC 60335-2-40
			27	3-pin 13A socket-outlet	SS 145: Part 2 BS 4177 (cooker control unit)
			28	Domestic electric wall switch	IEC 60669-1
			29	3-pin round type 15-amp plug	SS 472
			30	Portable cable reel	SS 307
			31	3-pin round type 15-amp socket-outlet	SS 472
			32	Vacuum cleaner	IEC 60335-2-2
			33	Air cooler	IEC 60335-2-98

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## RECOGNISED TESTING LABORATORIES

## RTL – for Product Testing and issuing of Test Report:-

No	Country	Testing Laboratory	Controlled Goods		Standards
2	Singapore	<b>Singapore Electrical Testing Services</b> <b>(Clipsal International Pte Ltd)</b>  97 Pioneer Road Singapore 639579  Contact person: Mr Wong Chee Kian (Laboratory Manager)  Tel: 6861 9118 Fax: 6863 2760 Email: chee-kian.wong@sets.com.sg	1	3-pin rectangular type 13-amp plug	SS 145: Part 1
			2	3-pin round type 15-amp plug	SS 472
			3	Multi-way adaptor	SS 246
			4	Portable cable reel	SS 307
			5	Fuse ( $\leq$ 13-amp) for use in plug (except for clause 8.4 – Breaking capacity test)	SS 167
			6	3-pin portable socket-outlet	SS 145: Part 2
			7	3-pin 13-amp socket-outlet	SS 145: Part2 BS 4177 (cooker control unit) BS 7288 (socket-outlet with RCD)
			8	3-pin round type 15-amp socket-outlet	SS 472
			9	Domestic electric wall switch	SS 227: Part 1
3	Taiwan	<b>TUV Rheinland Taiwan Ltd</b> <b>(Taiwan Branch)</b>  No. 9, Ln. 36 Minsheng Road Sec. 3, Daya District Taichung City 428 Taiwan, R.O.C.  Contact person: Mr Allen Lin (Manager)  Tel: 886-4-25602998 Ext 042 Fax: 886-4-25663598  Email: al@twn.tuv.com  Website: www.twn.tuv.com	1	Vacuum cleaner	IEC 60335-2-2
			2	Iron	IEC 60335-2-3
			3	Table lamp / standing Lamp	IEC 60598-2-4
			4	Washing machine	IEC 60335-2-7
			5	Toaster, grill, oven and similar appliances (excluding hot plate, deep fryer, electric wok and similar appliances)	IEC 60335-2-9
			6	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			7	Rice cooker	IEC 60335-2-14
			8	Kettle	IEC 60335-2-15
			9	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
			10	Table/standing fan	IEC 60335-2-80
			11	Wall fan	IEC 60335-2-80
			12	Air cooler	IEC 60335-2-98
			13	Any other audio products	IEC 60065
			14	High-fidelity set	IEC 60065
			15	Laser disc set	IEC 60065
			16	Television / video display unit	IEC 60065
			17	Video cassette recorder	IEC 60065
			18	Adaptor <ul style="list-style-type: none"> <li>for electronic appliances</li> <li>for electrical appliances</li> <li>for computer / telephonic appliances</li> </ul>	IEC 60065 IEC 61558-2-6 IEC 60950-1
			19	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			20	Decorative lighting fixture	IEC 60598-2-20

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

<b>RECOGNISED TESTING LABORATORIES</b>
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**RTL – for Product Testing and issuing of Test Report:-**

No	Country	Testing Laboratory	Controlled Goods		Standards
4	People's Republic of China	<b>Intertek Testing Services Shanghai Limited</b>  Building No. 86 1198 Qinzhou Road (North) Shanghai 20023 China  Contact person: Ms Leah Xu (Quality Manager)  Tel: 86 21 61278329 Fax: 86 21 54262347  Email: leah.xu@intertek.com  Website: www.intertek.com.cn	1	Kettle	IEC 60335-2-15
			2	Refrigerator	IEC 60335-2-24
			3	Rice cooker	IEC 60335-2-15
			4	Television/video display unit	IEC 60065
			5	Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			6	Washing machine	IEC 60335-2-7
			7	Iron	IEC 60335-2-3
			8	Vacuum cleaner	IEC 60335-2-23
			9	Any other audio products	IEC 60065
			10	High-fidelity set	IEC 60065
			11	Laser disc set	IEC 60065
			12	Video cassette recorder	IEC 60065
			13	Table / standing lamp	IEC 60598-2-4
			14	Isolating transformer for downlight fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type)
			15	Adaptor <ul style="list-style-type: none"> <li>for electrical appliances</li> <li>for electronic appliances</li> <li>for computer/telephonic appliances</li> </ul>	IEC 61558-2-6 IEC 60065 IEC 60950-1
			16	Decorative lighting fixture	IEC 60598-2-20
			17	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			18	Hair dryer	IEC 60335-2-23
			19	Ballast for tubular fluorescent lamp	IEC 61347-2-3 (electronic type)
			20	Microwave oven	IEC 60335-2-25
			21	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			22	Table/standing fan	IEC 60335-2-80
			23	Domestic wall switch	IEC 60669-1
			24	13A 3-pin portable socket-outlet	SS 145: Part 2
			25	13A 3-pin mains plug	SS 145: Part 1
			26	Instantaneous electric water heater	SS 146: Part 2: 5
			27	Multi-way adaptor	SS 246

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## RECOGNISED TESTING LABORATORIES

## RTL – for Product Testing and issuing of Test Report:-

No	Country	Testing Laboratory	Controlled Goods	Standards
5	People's Republic of China	<b>Intertek Testing Services Shenzhen Ltd (Guangzhou Branch)</b>  No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD Guangzhou, China  Contact person: Ms Fiona Fang (Quality Manager)  Tel: 86-20 8396 6868 ext 503 Fax: 86-20 8222 8170  Email: fiona.fang@intertek.com  Website: www.intertek-etlsemko.com	1 Adaptor • for electrical appliances • for electronic appliances • for computer / telephonic appliances • for LED lightings • for battery chargers	IEC 61558-2-6 IEC 61558-2-16 IEC 60950-1 IEC 60335-2-13 IEC 60335-2-29
			2 Any other audio products	IEC 60065
			3 Television / video display set	IEC 60065
			4 High-fidelity set	IEC 60065
			5 Laser disc set	IEC 60065
			6 Video cassette recorder	IEC 60065
			7 Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
			8 Kettle	IEC 60335-2-15 IEC 60335-2-21 (water dispenser)
			9 Rice cooker	IEC 60335-2-15
			10 Hair dryer	IEC 60335-2-23
			11 Refrigerator	IEC 60335-2-24
			12 Mobile split air-conditioner	IEC 60335-2-40
			13 Room air-conditioner	IEC 60335-2-40
			14 Wall fan	IEC 60335-2-80
			15 Table/standing fan	IEC 60335-2-80
			16 Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			17 Iron	IEC 60335-2-3
			18 Isolating transformer for downlight fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type) IEC 61347-2-13 (for LED downlight)
			19 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			20 Mixer, blender, mincer & similar appliances	IEC 60335-2-14
			21 Microwave oven	IEC 60335-2-25
			22 Vacuum cleaner	IEC 60335-2-2
			23 Cooking range	IEC 60335-2-6
			24 Ballast for tubular fluorescent lamp	IEC 61347-2-3 (electronic type)
			25 Decorative lighting fixture	IEC 60598-2-20
			26 Table/standing lamp	IEC 60598-2-4
			27 Domestic wall switch	IEC 60669-1
			28 3-pin rectangular type 13-amp plug	SS 145: Part 1
			29 Multi-way adaptor	SS 246

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

<b>RECOGNISED TESTING LABORATORIES</b>
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**RTL – for Product Testing and issuing of Test Report:-**

No	Country	Testing Laboratory	Controlled Goods		Standards
			30	Gas cooker	EN 30-1-1 Selected clauses of AS 4551 for the toughened-glass
			31	Air cooler	IEC 60335-2-98
			32	Washing machine	IEC 60335-2-7
			33	3-pin portable socket-outlet	SS 145: Part 2
			34	Portable cable reel	SS 307
			35	Washing machine	IEC 60335-2-7

**Note:** The list will be updated from time to time and is available on the website:  
[www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

<b>RECOGNISED TESTING LABORATORIES</b>
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**RTL – for Product Testing and issuing of Test Report:-**

No	Country	Testing Laboratory	Controlled Goods	Standards
6	China	<b>Centre Testing International (Shenzhen) Corporation</b>  Building C, Hongwei Industrial Park, Bao'an 70 District, Shenzhen, Guangdong, China  Contact Person: Mr Mild Hu (Supervisor)  Tel: 86-755-33683358 Fax: 86-755-33683385  Email: mildhu@cti-cert.com  Website: www.cti-cert.com	1 AC Adaptor <ul style="list-style-type: none"> <li>for shavers</li> <li>for electronics appliances</li> <li>for computer/telephonic appliances</li> <li>for battery chargers</li> <li>for LED lightings</li> <li>for table/standing lamps</li> <li>for electrical appliances</li> </ul>	IEC 60335-2-8 IEC 60065 IEC 60950-1 IEC 60335-2-29 IEC 61347-2-13 IEC 60598-2-4 IEC 61558-2-6 IEC 61558-2-16
			2 Coffee maker, slow cooker, steamboat and similar appliances	IEC 60335-2-15
			3 Hair dryer	IEC 60335-2-23
			4 Kettle	IEC 60335-2-15
			5 Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			6 Rice cooker	IEC 60335-2-15
			7 Table /standing fan	IEC 60335-2-80
			8 Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			9 Vacuum cleaner	IEC 60335-2-2
			10 Wall fan	IEC 60335-2-80
			11 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			12 Any other audio products	IEC 60065
			13 High-fidelity set	IEC 60065
			14 Laser disc set	IEC 60065
			15 Television / video display unit	IEC 60065
			16 Video cassette recorder	IEC 60065
			17 Table/standing lamp	IEC 60598-2-4
			18 Cooking Range	IEC 60335-2-6
			19 Iron	IEC 60335-2-3
			20 Refrigerator	IEC 60335-2-24
			21 Ballast for tubular fluorescent lamp	IEC 61347-2-8 (magnetic type) IEC 61347-2-3 (electronic type)
			22 Isolating transformer for downlight fitting	IEC 61558-2-6 (Magnetic type) IEC 61347-2-2 (Electronic type) IEC 61347-2-13 (for LED downlight)
			23 Air cooler	IEC 60335-2-98
			24 Microwave oven	IEC 60335-2-25
			25 Decorative lighting fixture	IEC 60598-2-20

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

## RECOGNISED TESTING LABORATORIES

## RTL – for Product Testing and issuing of Test Report:-

No	Country	Testing Laboratory	Controlled Goods	Standards
7	New Zealand	<b>UL International New Zealand Ltd</b>  21 Tarnedale Grove, Albany, Auckland 0632, Auckland, New Zealand  Contact Person: Mr Ken Wilson (Operations Manager)  Tel: 6494149580 Fax: 6494153356 Email: Ken.Wilson@nz.ul.com  Website: www.nz.ul.com	1 AC Adaptor • for electrical appliances • for electronics appliances • for computer/telephonic appliances • for shavers • for battery chargers • for LED lightings • for table/standing lamps	IEC 61558-2-6 IEC 60065 IEC 60950-1 IEC 60335-2-8 IEC 60335-2-29 IEC 61347-2-13 IEC 60598-2-4
			2 Any other audio products	IEC 60065
			3 Cooking range	IEC60335-2-6
			4 Coffee maker, slow cooker, steamboat and similar appliances	IEC 60335-2-15
			5 Decorative lighting fixture	IEC 60598-2-20
			6 Hair dryer	IEC 60335-2-23
			7 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			8 High-fidelity set	IEC 60065
			9 Iron	IEC 60335-2-3
			10 Immersion water heater	IEC 60335-2-74
			11 Kettle	IEC 60335-2-15
			12 Laser disc set	IEC 60065
			13 Microwave oven	IEC 60335-2-25
			14 Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			15 Refrigerator	IEC60335-2-24
			16 Rice cooker	IEC 60335-2-15
			17 Television/video display unit	IEC 60065
			18 Table/standing fan	IEC 60335-2-80
			19 Table/standing lamp	IEC 60598-2-4
			20 Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13 IEC 60335-2-78 (electric outdoor barbeque grill)
			21 Video cassette recorder	IEC 60065
			22 Vacuum cleaner	IEC 60335-2-2
			23 Washing machine	IEC 60335-2-7
			24 Wall fan	IEC 60335-2-80
			25 Ballast for tubular fluorescent lamp	IEC 61347-2-8 (magnetic type) IEC 61347-2-3 (electronic type)
			26 Isolating transformer for downlight fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type) IEC 61347-2-13 (for LED downlight)

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).



<b>RECOGNISED TESTING LABORATORIES</b>
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**RTL – for Product Testing and issuing of Test Report:-**

No	Country	Testing Laboratory	Controlled Goods		Standards
8	China	<b>DEKRA Testing and Certification (Shanghai) Ltd</b>  10/F, No. 250, Jiangchangsan Road, Shanghai, 200436 P.R.China  Contact Person: Mr Cliff Lin (Technical Manager)  Tel: 0086-21-60567600 Fax: 0086-21-60567555  Email: Cliff.lin@dekra-certification.cn  Website: www.dekra-certification.com	1	Air cooler	IEC 60335-2-98
			2	Adaptor for: <ul style="list-style-type: none"> <li>• electrical appliances</li> <li>• electronic appliances</li> <li>• computer/telephonic appliances</li> <li>• shavers</li> <li>• battery chargers</li> <li>• LED lightings</li> <li>• table/standing lamps</li> </ul>	IEC 61558-2-6 IEC 61558-2-16 IEC 60065 IEC 60950-1 IEC 60335-2-8 IEC 60335-2-29 IEC 61347-2-13 IEC 60598-2-4
			3	Any other audio products	IEC 60065
			4	High-fidelity set	IEC 60065
			5	Laser disc set	IEC 60065
			6	Television / video display unit	IEC 60065
			7	Video cassette recorder	IEC 60065
			8	Coffee maker, slow cooker, steamboat and similar appliances	IEC 60335-2-15
			9	Decorative lighting fixture	IEC 60598-2-20
			10	Hair dryer	IEC 60335-2-23
			11	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)	IEC 60950-1
			12	Iron	IEC 60335-2-3
			13	Kettle	IEC 60335-2-15
			14	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			15	Rice cooker	IEC 60335-2-15
			16	Table /standing fan	IEC 60335-2-80
			17	Wall fan	IEC 60335-2-80
			18	Table / standing lamp	IEC 60598-2-4
			19	Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances	IEC 60335-2-9 IEC 60335-2-13
			20	Vacuum cleaner	IEC 60335-2-2
			21	Ballast for tubular fluorescent lamp	IEC 61347-2-3 (electronic type)
			22	Isolating transformer for downlight fitting	IEC 61558-2-6 (magnetic type) IEC 61347-2-2 (electronic type) IEC 61347-2-13 (for LED downlight)

**Note:** The list will be updated from time to time and is available on the website:  
[www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

<b>RECOGNISED TESTING LABORATORIES</b>
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**RTL – for Product Testing and issuing of Test Report:-**

No	Country	Testing Laboratory	Controlled Goods		Standards
9	Italy	<b>IMQ Primacontrol S.r.l.</b>  I-31020 Zoppe San Vendemiano (TV) Via dell'Industria, 55 Italy  Contact Person: Mr Giovanni Granzotto (Laboratory Leader)  Tel: (+39) 0438 778358-470255 Fax: (+39) 0438 778360  Email: gianni.granzotto@imqprimacontrol.com  Website: www.imqprimacontrol.com	1	Cooking range	IEC 60335-2-6
			2	Coffee maker, slow cooker, steam boat and similar appliances	IEC 60335-2-15
			3	Gas cooker	EN 30-1-1 AG 101
			4	Iron	IEC 60335-2-3
			5	Kettle	IEC 60335-2-15
			6	Mixer, blender, mincer and similar appliances	IEC 60335-2-14
			7	Rice cooker	IEC 60335-2-15
			8	(Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances)	IEC 60335-2-9 IEC 60335-2-13
10	Hong Kong	<b>CMA Industrial Development Foundation Limited</b>  Room 1302, Yan Hing Centre 9-13, Wong Chuk Yeung Street Fo Tan Shatin, N.T. Hong Kong  Contact Parson: Ms Patience Choi (Head QAC)  Tel: 852 26908205 Fax: 852 22524205  Email: patiencechoi@cmatcl.com	1	3-pin rectangular type 13A plug	SS 145: Part 1
			2	3-pin 13A socket-outlet	SS 145: Part 2
			3	3-pin portable socket-outlet	SS 145: Part 2
			4	Multi-way adaptor (restricted to 3-pin socket-outlet)	SS 246

**Note:** The list will be updated from time to time and is available on the website: [www.spring.gov.sg/safety](http://www.spring.gov.sg/safety).

**CONTROLLED GOODS SUBJECT TO ADDITIONAL REQUIREMENTS BY OTHER AGENCY(IES) IN SINGAPORE**

The information on this page is to inform all relevant suppliers of air-conditioners and refrigerators on the endorsed restriction on the use of HC refrigerants in Singapore by the Singapore Civil Defence Force (SCDF).

While we recognise that HC refrigerants have an edge over some other refrigerants in terms of their environmental impact, the main consideration is that HC refrigerant is extremely flammable and would pose a potential safety hazard to users and occupants. These are additional risks which can be avoided if safer alternative refrigerants or other refrigerant blends are used. Notwithstanding the restriction on certain applications, SCDF, together with SPRING would continue to monitor the market for emerging alternatives to HC refrigerants that could better address the safety, environmental and economic concerns.

Refrigerators and Air-conditioners for use domestically which are currently classified as Controlled Goods are allowed to use HC refrigerants under the Consumer Protection (Safety Requirements) Registration Scheme (CPS Scheme). Details are highlighted in the table below

**Policy Recommendations on Usage of Hydrocarbon Refrigerant**

Product Category	Detail on restriction on HC usage
Domestic refrigerators and air-conditioners (eg. Stand-Alone and wall mounted air-con units)	<ul style="list-style-type: none"> <li>To allow the use of HC refrigerant for domestic refrigerators subject to a charge weight cap of 150g of HC refrigerant and the refrigerant must be hermetically sealed within the refrigerator (reference from IEC 60335-2-24) and safety requirement under the CPS Scheme.</li> <li>Advisory label requirements on domestic refrigerators</li> <li>To allow the use of HC refrigerant in air-conditioners subject to safety requirement under the CPS Scheme (e.g. Non-drop-in<sup>1</sup> unit Mobile split air-conditioner, Room air-conditioner)</li> </ul>

Suppliers are to refer to the Circular on the Implementation of Advisory Label for Domestic Refrigerators Using Flammable Refrigerant in Singapore on the advisory label guidelines. Details of the circular can be found on SCDF's website: [http://www.scdf.gov.sg/content/scdf\\_internet/en/building-professionals/publications\\_and\\_circulars.html](http://www.scdf.gov.sg/content/scdf_internet/en/building-professionals/publications_and_circulars.html).

<sup>1</sup> Drop-in replacements refer to the direct replacement of refrigerant in existing equipment or application with alternative refrigerant, without modifying the operating specifications and design of the equipment or application.

## SUMMARY OF UPDATES

No	Item	Before	After
1	Revision Number	Revision 02	Revision 03
2	Chapter 2 Introduction (pg 4)	All suppliers (please refer to Chapter 5) of Controlled Goods for consumers or for use in schools, educational institutions, hotels, offices, etc. (which are operated other than by staff and professionals) must first be registered with the Safety Authority as Registered Supplier. Registered Suppliers are required to register each model of Controlled Goods with the Safety Authority. The registration must be supported with COC issued by designated CABs located in Singapore or MRA partners, i.e. CABs (Local) or CABs (Foreign - MRA) respectively.	All suppliers (please refer to Chapter 5) of Controlled Goods for consumers in Singapore must first be registered with the Safety Authority as Registered Supplier. Registered Suppliers are required to register each model of Controlled Goods with the Safety Authority. The registration must be supported with COC issued by designated CABs located in Singapore or MRA partners, i.e. CABs (Local) or CABs (Foreign - MRA) respectively.
3	Chapter 6 Controlled Goods and their Applicable Safety Standards (pg 8)	Deleted the following from the bottom of each table:  Note: Controlled Goods are to be tested to the specified safety standards. Controlled Goods that are tested to later year/amendment of standard than the year/amendment specified above are also acceptable.	Added the following at the top of Chapter 6:  Controlled Goods are required to be tested to the minimum edition of the safety standards stated in this chapter. In addition to the specified safety standards, Controlled Goods are required to fulfil the Safety Authority's Requirements which are specified in Chapter 7.
4	Chapter 6 Adaptor (pg 8)	(applicable for electrical appliances) IEC 61558-2-6: 2009 or IEC 61558-2-6: 1997 (valid till 31 December 2014) or IEC 61558-2-16: 2009	(applicable for electrical appliances) IEC 61558-2-6: 1997 or IEC 61558-2-16: 2009
		(applicable for computer / telephonic appliances) IEC 60950-1: 2005 or IEC 60950-1: 2001 (valid till 31 December 2014)	IEC 60950-1: 2001
5	Chapter 6 Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories) (pg 9)	IEC 60950-1: 2005 or IEC 60950-1: 2001 (valid till 31 December 2014)	IEC 60950-1: 2001

## SUMMARY OF UPDATES

6	Chapter 6 Kettle (pg 10)	IEC 60335-2-21: 2009 or IEC 60335-2-21: 2002 (valid till 31 December 2014) (hot/warm water dispenser)	IEC 60335-2-21: 2004 (hot/warm water dispenser-storage type)
		-	Added the following: IEC 60335-2-35: 2002 (hot/warm water dispenser-instantaneous type)
7	Chapter 6 Mixer, blender, mincer and similar appliances (pg 10)	IEC 60335-2-14: 2006 or IEC 60335-2-14: 2002 (valid till 31 December 2014)	IEC 60335-2-14: 2002
8	Chapter 6 Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances (pg 11)	(applicable for toaster, hot plate (including induction type), grill, oven and similar appliances)  IEC 60335-2-9: 2008 or IEC 60335-2-9: 2002 (valid till 31 December 2014)	IEC 60335-2-9: 2002
		(applicable for deep fryer, electric wok and similar appliances)  IEC 60335-2-13: 2009 or IEC 60335-2-13: 2002 (valid till 31 December 2014)	IEC 60335-2-13: 2002
9	Chapter 6 Vacuum cleaner (pg 12)	IEC 60335-2-2: 2009 or IEC 60335-2-2: 2002 (valid till 31 December 2014)	IEC 60335-2-2: 2002
10	Chapter 6 Washing machine (pg 12)	IEC 60335-2-7: 2008 or IEC 60335-2-7: 2000 (valid till 31 December 2014)	IEC 60335-2-7: 2000
11	Chapter 6 Hose (pg 12)	SS 233: 1996	SS 233: 2013 or SS 233: 1996
12	Chapter 6 Gas cooker (pg 13)	EN 30-1-4: 2012 (gas cooker with automatic burner control system)	EN 30-1-4: 2012 and IEC 60335-2-102: 2004 (gas cooker with automatic burner control system)
13	Chapter 6 Domestic electric wall switch (pg 16)	-	Added the following: SS 403: 1997 (13A fused connection units switched)

## SUMMARY OF UPDATES

14	Chapter 7 Safety Authority's Requirements Item 1 (pg 17)	Test certificate / Test report more than three (3) years old shall be rejected.	Test report including its test certificate (if applicable) shall not be more than three (3) years.
15	Chapter 7 Safety Authority's Requirements Item 14 (pg 18)	Test report showing that the 3-pin complied with sub-clauses 12.1 & 12.3 of SS 246 must be submitted previously under 'Applicable to AC Adaptor' is revised and moved to 'Applicable to all electrical products'	Test report showing that the 3-pin (Appendix U) complied with sub-clauses 12.1 & 12.3 of SS 246 or BS 1363-3 shall be provided.
16	Chapter 7 Safety Authority's Requirements Item 15 (pg 18)	The 2-pin (Appendix T) shall comply with EN 50075 previously under 'Applicable to AC Adaptor' is revised and moved to 'Applicable to all electrical products'.	The 2-pin (Appendix U) shall be in accordance with EN 50075.
17	Chapter 7 Safety Authority's Requirements  New item added: Gas canister Item 37 (pg 20)	-	<p>a) All registered gas canisters shall be subjected to batch test conducted by the laboratory who conducted the full-test test in accordance with the sampling plan.</p> <p>b) The sampled gas canisters shall be tested to the required clauses of SS 400</p> <p>c) Registered gas canister shall be affixed with 'SAFETY Mark' and 'batch test sticker'. Both labels shall be affixed either on an individual canister, the packaging of two canisters or packaging of three canisters.</p> <p>d) Sample of batch test sticker is as shown below:</p> <div data-bbox="1047 1440 1334 1617" data-label="Image"> </div>
18	Chapter 7 Safety Authority's Requirements New item added: Installation manual or installation instructions for gas cookers Item 38 (pg 21)	-	All registered gas cookers shall be supplied with installation manual or installation instructions within the operating manual, user's manual, user's guide, etc. which shall also include safety instructions for use of the gas cooker.

## SUMMARY OF UPDATES

19	Chapter 7 Safety Authority's Requirements New item added: Pressure-relief device (for closed storage water heater) Item 42 (pg 21)	-	<p>a) Closed water heaters having a rated pressure of 0.6 MPa and above shall be provided with a pressure-relief device.</p> <p>b) Pressure-relief devices shall prevent the pressure in the container from exceeding the rated pressure by more than 0.1 MPa.</p>
20	Chapter 7 Safety Authority's Requirements New item added: Thermal cut-out (for closed instantaneous and storage water heater) Item 43 (pg 21)	-	<p>a) Closed water heaters shall incorporate a thermal cut-out providing all-pole disconnection and which operates independently from the thermostat.</p> <p>b) Registered Supplier must declare that the water heater is incorporated with a thermal cut-out providing all pole disconnection when applying Certificate of Conformity with Conformity Assessment Body.</p>
21	Chapter 7 Safety Authority's Requirements Item 47 (pg 22)	Hot/warm water dispenser which has below boiling temperature shall be tested to IEC 60335-2-21. Testing to IEC 60335-2-24 shall be required if the water dispenser is incorporated with compressor for dispensing cold water.	<p>a) Hot water dispenser which has below boiling temperature shall be tested to IEC 60335-2-21 or IEC 60335-2-35.</p> <p>b) Testing to IEC 60335-2-24 shall be required if the water dispenser is incorporated with compressor for dispensing cold water.</p>
22	Chapter 7 Safety Authority's Requirements Item 48 (pg 22)	-	<p>Application for renewal of registration of high risk Controlled Goods shall be supported with a valid new test report that is within 3 years when submitting to Conformity Assessment Body for re-certification. This will take effect for registrations that would expire on or after 1 July 2015.</p> <p>The following Controlled Goods are deemed as high risk:</p> <ul style="list-style-type: none"> <li>• Gas cooker</li> <li>• Portable cooking gas appliance</li> <li>• Components of LPG system (hose, regulator &amp; valve)</li> <li>• 3-pin 13-amp socket outlet</li> <li>• 3-pin round type 15-amp socket outlet</li> <li>• Instantaneous electric water heater</li> <li>• Mains pressure electric storage water heater</li> <li>• Ballast for fluorescent lamp</li> <li>• Refrigerator</li> <li>• Domestic electric wall switch</li> <li>• LED driver for LED downlight fitting</li> </ul>

## SUMMARY OF UPDATES

23	Chapter 7 Safety Authority's Requirements  Renewal of registration for gas cookers	-	Deleted the following: Application for renewal of registration of gas cookers shall be supported with a valid new test report that is issued within 3 years when submitting to Conformity Assessment Body for re-certification before registration.  Note: Superseded by Item 48.
24	Chapter 8 Registration of Supplier of Controlled Goods (pg 23)	<ul style="list-style-type: none"> <li>• By on-line e-Registration</li> <li>• Go to <a href="https://www.spring.gov.sg/safety">www.spring.gov.sg/safety</a></li> <li>• Click the link 'CPS e-Services'</li> </ul>	<ul style="list-style-type: none"> <li>• By on-line Registration</li> <li>• Go to <a href="https://cpsa.spring.gov.sg">https://cpsa.spring.gov.sg</a></li> <li>• Click 'e-Registration of Registered Supplier' under NEW APPLICATION</li> </ul>
		-	<p>Added the following: Upon successful registration, the supplier will receive the following:</p> <p>(a) Notification of the Registered Supplier's Code (b) Softcopy of the SAFETY Mark bromide</p> <p>and may approach any of the Designated Conformity Assessment Body (CAB) listed in Appendix X and Y to apply for Certificate of Conformity (CoC).</p>
25	Chapter 9 Registration of Controlled Goods (pg 24)	-	Editorial amendments and revised
26	Chapter 10 Certificate of Conformity (pg 25)	<p>To renew the registered Controlled Goods, the Registered Suppliers shall submit the following to the Safety Authority:</p> <ul style="list-style-type: none"> <li>• Non-refundable renewal fee of \$50 + GST per model in cheque made payable to "Standards, Productivity and Innovation Board" or "SPRING Singapore".</li> <li>• The new CoC issued by CABs (Local) or CABs (Foreign-MRA).</li> </ul>	<p>How to renew the re-certified Controlled Goods?</p> <ul style="list-style-type: none"> <li>• Submit the new CoC with the renewal fee of \$50 plus GST to the Safety Authority. Payment by cheque shall be made to 'SPRING Singapore'; or</li> <li>• Submit the new CoC with online payment via website at <a href="https://cpsa.spring.gov.sg">https://cpsa.spring.gov.sg</a>.</li> </ul>



## SUMMARY OF UPDATES

27	Chapter 12 Modification to Registered Controlled Goods (pg 28)	• Colour	• Colour (except for 3-pin rectangular type 13-amp plug, 3-pin round type 15-amp plug, multi-way adaptor, 3-pin portable socket-outlet, portable cable reel, RCCB, 3-pin 13-amp socket-outlet, 3-pin round type 15-amp socket-outlet and domestic electric wall switch due to different colour resin)
		The Registered Suppliers shall update their technical file on the registered Controlled Goods with details of the change.	The Registered Suppliers shall update their technical file on the registered Controlled Goods with details of the change and shall be responsible for all safety issues as a result of modifications and other changes to the registered Controlled Goods.
28	Chapter 14 Technical File (pg 31)	-	Added the following: Acknowledgement Receipt for Certificate of Conformity [also known as Letter Of Approval(LOA)]
		Test Reports	Test Reports including its Test Certificates (if applicable)
		Full Electrical Wiring/Circuit Diagram or Service Manual	Full Electrical Wiring/Circuit Diagram or Service Manual (contains the electrical wiring/circuit diagrams)
		-	Added the following: Technical/Constructional Drawing for gas products
29	Appendix A Definitions (pg 32)	-	Added the following: <b>LOA</b> means Acknowledgement Receipt for Certificate of Conformity issued by SPRING Singapore, the Safety Authority
30	Appendix J Examples of Non-Controlled Goods (pg 43)	-	Added the following: • Food dehydrator • Popcorn maker • Wall USB outlet
31	Appendix W (pg 58)	-	Added the supply pressure for town gas and specification for LPG
32	Appendix X Centre Testing International Pte Ltd (pg 64)	-	Added the following: • Adaptor for electrical appliances (IEC 61558-2-6 & IEC 61558-2-16) • Adaptor for LED lightings (IEC 61347-2-13) • Adaptor for table/standing lamps (IEC 60598-2-4)

## SUMMARY OF UPDATES

33	Appendix X SETSCO Services (S) Pte Ltd (pg 67)	-	Added the following: <ul style="list-style-type: none"> <li>• Kettle (IEC 60335-2-21 for hot/warm water dispenser)</li> <li>• Vacuum cleaner (IEC 60335-2-2)</li> <li>• Washing machine (IEC 60335-2-7)</li> <li>• Storage water heater (SS 146: Part 2: 8)</li> <li>• Gas canister (SS 400)</li> </ul>
34	Appendix Y Designation under the ASEAN EE MRA (pg 71)	-	Deleted the following testing laboratories due to the expiration of its designation: <ul style="list-style-type: none"> <li>• Electrical and Electronic Institute, Operation and Standards Center (EEI –Thailand)</li> <li>• Quality Assurance and Testing Center 1 (QUATEST 1)</li> <li>• PT Panasonic Manufacturing Indonesia</li> <li>• Solid Laguna Corporation Testing Laboratory Philippines (SLCTL)</li> <li>• Scientific Environmental &amp; Analytical Lab &amp; Services (SEALS)</li> <li>• Bureau of Product Standards Testing Center (BPS Testing Center)</li> <li>• Pro-Application Service Company Limited</li> </ul> Added the following new laboratory: TUV SUD PSB (THAILAND) Limited
35	Appendix Y Designation under the SPRING-BSMI EE MRA (pg 76)	-	Added the following new testing laboratory: <ul style="list-style-type: none"> <li>• Cerpass Technology Corporation Test Laboratory</li> </ul>
36	Appendix Z Recognised Testing Laboratories (RTLs) Centre Testing International (Shenzhen) Corporation (pg 88)	-	Added the following Controlled Goods: <ul style="list-style-type: none"> <li>• Air cooler (IEC 60335-2-98)</li> <li>• Microwave oven (IEC 60335-2-25)</li> <li>• Decorative lighting fixture (IEC 60598-2-20)</li> </ul>
37	Appendix Z Recognised Testing Laboratories (RTLs) (pg 91)	-	Added the following new RTL: <ul style="list-style-type: none"> <li>• CMA Industrial Development Foundation Limited</li> </ul>