

# SINGAPORE CONSUMER PROTECTION (SAFETY REQUIREMENTS) REGISTRATION SCHEME

## **Information Booklet**



**Safety Authority**  
**(Established since 1991)**

© 2020 Enterprise Singapore Board

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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.enterprisesg.gov.sg/consumer-protection](http://www.enterprisesg.gov.sg/consumer-protection).

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 Enterprise Singapore as the Safety Authority since 1991 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 thirty-three (33) 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 Certificates of Conformity (CoC) issued by designated third party Conformity Assessment Bodies (CABs), or Supplier's Declaration of Conformity (SDoC) declared by Registered Suppliers. An overall view of the registration process is shown in Appendix E.

Suppliers of Controlled Goods for consumers in Singapore must first be registered with the Safety Authority as Registered Suppliers (please refer to Chapter 5 for requirements on registering as a Registered Supplier).. Registered Suppliers are required to register each model of Controlled Goods with the Safety Authority. Registrations of Controlled Goods must be supported with CoC issued by designated CABs located in Singapore or in Singapore's MRA partners, i.e. CABs (Certification/Testing), or SDoC declared by Registered Suppliers.

Once the model has been registered with the Safety Authority, the Controlled Goods can then be advertised for supply 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 under Regulation 4, 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 need to comply with the specified safety requirements that 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 verify if a particular Controlled Good has been registered with the Safety Authority, consumers can use the "Register of Registered Controlled Goods" available at <https://cpsa.enterprisesg.gov.sg/> 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 guides suppliers on the requirements and procedures to register Controlled Goods. The Safety Authority will only accept applications from Registered Suppliers. A Register of Registered Suppliers is available on the website <http://cpsa.enterprisesg.gov.sg/>.

**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-
- i) such Controlled Goods are registered Controlled Goods conforming to the safety requirements specified by the Safety Authority for those goods; and
  - ii) 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-
- 1 require such person to effect a recall of the Controlled Goods and keep the Safety Authority informed of the progress of such recall; and
  - 2 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**

No party shall be allowed to advertise and/or supply the Controlled Goods unless they have been registered with the Safety Authority. Registered Suppliers are responsible for the safety and compliance of Controlled Goods registered under their name. The registration 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)].

In general, only one party in the chain of supply of the Controlled Goods in Singapore needs to register the Controlled Goods with the Safety Authority. The following descriptions for each party provides more details on when registration is needed:

**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 required to apply for registration if they import the Controlled Goods themselves. Retailers who sourced for registered Controlled Goods, and subsequently make modifications to the Controlled Goods which impact the safety or change the brand and model number of the Controlled Goods, need to apply for registration as well.

**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**

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. Approval from the Safety Authority is required for the new distributor to take over registration of the Controlled Goods. Thereafter, the new distributor has to go to a CAB (Certification) or CAB (Certification - MRA) to obtain the CoC prior to having the Controlled Goods re-registered with the Safety Authority. For Controlled Goods registered on the basis of SDoC, the new distributor has to approach the Safety Authority. Please refer to chapter 6 for more details on product categorisations to determine if CoC or SDoC is applicable.



## 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.





In addition, Enterprise Singapore categorises the Controlled Goods into three risk levels - Low, Medium, or High. The table below shows the conformity assessment approach adopted for each of the three risk levels.




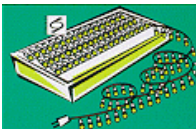
| Risk Level | Conformity Assessment Approach  |
|------------|---|
| Low        | Type testing <sup>1</sup> + Supplier's Declaration of Conformity (SDoC)             |
| Medium     | Type testing + CoC  |
| High       | Type testing + CoC + high risk requirements for renewal (as listed under chapter 7) |

Note:

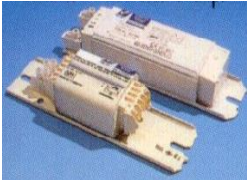





(1) Type testing is testing carried out by recognised testing laboratories to determine whether a product complies with the specified safety standard.







### Low Risk

| Controlled Goods   | Definitions  | Safety Standards     |
|--|--|----------------------|
| Air cooler<br>                                   | Air cooler, which is an electrical appliance intended for household use to agitate the air and equipped to use water as a cooling medium, with rated voltage of not more than 250 Vac.   | IEC 60335-2-98: 2002 |
| Fuse ( $\leq 13$ amperes) for use in a plug<br> | Fuse (13-amp or less) for use in a 13-amp plug, which is 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 | SS 167: 1977         |
| Room air-conditioner<br>                        | Room air-conditioner, which is an electrical appliance intended for household use and designed as a self-contained unit for mounting on a window or through a wall to provide conditioned air to an enclosed area, with rated voltage of not more than 250 Vac.                    | IEC 60335-2-40: 2002 |
| Table lamp/ standing lamp<br>                   | An electrical portable general-purpose luminary intended for household use with supply voltage of not more than 250 Vac.   | IEC 60598-2-4: 2017  |


| Controlled Goods   | Definitions   | Safety Standards  |
|--|---|---|
| <b>AC Adaptors</b><br>  | A device with rated voltage of not more than 250 Vac, and designed to supply a.c. or d.c. power for applications such as computers, telecommunication equipment, home entertainment equipment or toys.  | <div>IEC 61558-2-6: 1997<br/>or<br/>IEC 61558-2-16: 2009<br/>(applicable for electrical appliances)</div> <div>IEC 60065: 2001<br/>or<br/>IEC 62368-1:2014<br/>(applicable for electronic appliances)</div> <div>IEC 60950-1: 2001<br/>or<br/>IEC 62368-1:2014<br/>(applicable for computer / telephonic appliances)</div> <div>IEC 60335-2-8: 2002<br/>(applicable for shavers)</div> <div>IEC 60335-2-29: 2002 with A1<br/>or<br/>IEC 60335-2-29: 2004<br/>(applicable for battery chargers)</div> <div>IEC 61347-2-13: 2006<br/>(applicable for LED lightings)</div> <div>IEC 60598-2-4: 2017 4997<br/>(Valid till 31/03/2022)<br/>(applicable for table/standing lamps)</div> <div>IEC 60601-1: 2005<br/>(applicable for breast pump)</div> |
| <b>Audio and video products</b><br>                                     | Audio and video products, which are electronic devices for home entertainment designed to be fed from the supply mains and intended for reception, generation, recording or reproduction, respectively of audio, video and associated signals, with rated voltage of not more than 250 Vac. | <div>IEC 60065: 2001<br/>or<br/>IEC 62368-1:2014</div>  |
| <b>Coffee maker, slow cooker, steam boat and similar appliances</b><br> | Coffee makers, slow cookers, steam boats and similar appliances, which are electrical appliances intended for household use to heat liquids for the purpose of food or beverages preparation, with rated voltage of not more than 250 Vac.  | IEC 60335-2-15: 2002  |
| <b>Decorative lighting chain</b><br>                                    | Decorative lighting chain, which is an electrical lightning chain intended for household use and fitted with a series or parallel or combination of series or parallel connected light emitting devices, with rated voltage of not more than 250 Vac.                                       | <div>IEC 60598-2-20: 2002</div> <div>IEC 60598-2-21: 2014<br/>(Applicable for rope lights)</div>  |

| Controlled Goods   | Definitions   | Safety Standards   |
|--|---|--|
| <b>Fans</b><br>   | Fans, limited to ceiling, table, standing and wall fans, which are electrical appliances for circulating the air in its vicinity and intended for household use, with rated voltage of not more than 250 Vac.   | IEC 60335-2-80: 2002<br>or<br>SS 655: 2020<br>(applicable for table, standing or wall fan)   |
|  |   | IEC 60335-2-80: 2002 + SS 360: 1992 (sub-clauses 5.7 & 5.8 only) (valid till 31/03/2022)<br>or<br>IEC 60335-2-80: 2002 + SS 655: 2020 (Annex AZ only)<br>or<br>SS 655: 2020<br>(applicable for ceiling or cycle fan) |
| <b>Gas canister</b><br>   | A non-refillable metallic container up to 1.4 litres capacity filled with liquefied petroleum gases intended for household use with a portable gas cooker.  | SS 400: 1997   |
| <b>Hair care appliances</b><br>   | Hair care appliances, limited to hair dryers, hair curlers, hair straighteners and hair stylers, which are electrical hand-held appliances intended for household use to dry or care for human hair, with rated voltage of not more than 250 Vac.   | IEC 60335-2-23: 2003   |
| <b>Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)</b><br> | Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories), which is a microcomputer and its associated accessories, intended for household use, with rated voltage of not more than 250 Vac.   | IEC 60950-1: 2001<br>or<br>IEC 62368-1: 2014   |
| <b>Iron</b><br>   | Iron, which is an electrical hand-held appliance intended for household use, with a heated soleplate for smoothing or pressing fabric, including those with a separate water reservoir or boiler having a capacity not exceeding 5 litres, with rated voltage of not more than 250 Vac.   | IEC 60335-2-3: 2002  |
| <b>Isolating transformer for downlight fitting</b><br>  | Isolating transformer for downlight fitting, which is an isolating transformer intended for household electrical installation with input and output windings that are electrically separated to limit hazards due to accidental simultaneous contact with earth and live parts or metal parts that may become live in the event of an insulation failure. | IEC 61558-2-6: 1997<br>(magnetic type)   |
|  |   | IEC 61347-2-2: 2000<br>(electronic type)   |




| Controlled Goods  | Definitions  | Safety Standards  |
|---|--|---|
| Lamp control gears<br>   | Lamp control gear, which is an electrical device intended for household electrical installation that limits the current of the lamp or supplies constant current or constant voltage to power LED lighting.  | IEC 61347-2-8: 2000<br>(magnetic type)  |
|   |  | IEC 61347-2-3: 2000<br>(electronic type)  |
|   |  | IEC 61347-2-13: 2000<br>(for LED driver)  |
| Kitchen machines<br>   | Kitchen machines, including mixers, blenders and mincers, which are electrical appliances intended for household use to prepare food or beverages, with rated voltage of not more than 250 Vac.  | IEC 60335-2-14: 2002  |
| Liquid heating appliances<br>  | Liquid heating appliances, limited to kettles, airpots and hot water dispensers, which are electrical appliances intended for household use to heat liquids for consumption that have a rated capacity not exceeding 10 litres, with rated voltage of not more than 250 Vac. | IEC 60335-2-15: 2002  |
|   |  | IEC 60335-2-21: 2004<br>(hot water dispenser-storage type)  |
|   |  | IEC 60335-2-35: 2002<br>(hot water dispenser-instantaneous type)  |
| Microwave oven<br>  | Microwave oven, which is an electrical appliance intended for household use that uses high-frequency electromagnetic waves for heating food or beverages, with rated voltage of not more than 250 Vac.   | IEC 60335-2-25: 2002  |
| Multi-way Adaptor<br>  | Multi-way adaptor, which is intended for household use, has more than one set of socket contacts, and which may or may not be of the same type or rating as the plug pin portion.  | SS 145-3: 2020<br><br>(Applicable for Multi-Way Adaptors incorporating USB Port(s) and/or electronic devices)             |
|   |  | SS 246: 2004<br>(Valid till 25/10/2021)<br>or<br>SS 145-3: 2020<br>(Applicable for conventional Multi-Way Adaptors)       |
| Toaster, grill, roaster, hot plate, deep fryer, wok and similar appliances<br> | Toasters, grills, roasters, hot plates, deep fryers and similar appliances, which are electrical appliances intended for household use that use heated medium such as air and cooking oil for food preparation, with rated voltage of not more than 250 Vac.                 | IEC 60335-2-9: 2002<br>(applicable for toaster, hot plate (including induction type), grill, oven and similar appliances) |
|   |  | IEC 60335-2-13: 2002<br>(applicable for deep fryer, electric wok and similar appliances)                                  |
|   |  | IEC 60335-2-78: 2002<br>(applicable for outdoor electric barbeque grill)  |




| Controlled Goods  | Definitions   | Safety Standards  |
|---|---|---|
| Portable socket-outlet<br>                   | 3-pin portable socket-outlets, including portable cable reels, which are electrical accessories intended for household use that have at least a set of 13-amp shuttered socket-outlets with flexible cords, and which can be easily moved from one place to another while connected to rated voltage supply of not more than 250 Vac. | SS 145-2: 1997<br>(applicable for 3-pin portable socket-outlet)<br>SS 145-2: 2018<br>(3-pin portable socket outlet incorporated with USB port(s) and/or electronic device(s))<br>SS 307: 1996<br>(applicable for portable cable reel)<br>SS 241: 1996 + SS 145-2: 1997<br>(Sequences 1,2 & 3 only)<br>(applicable for power track)<br>SS 241: 1996 + SS 145-2: 2018<br>(Sequences 1,2 & 3 only)<br>(applicable for power track incorporated with USB port(s) and/or electronic device(s)) |
| Residual Current Circuit Breaker (RCCB)<br> | Residual current circuit breaker (RCCB), which is an electrical device intended for household fixed-electrical installation with sensitivity of 30 mA 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   |
| Rice cooker<br>                            | Rice cooker, which is an electrical appliance intended for household use to cook rice, with rated voltage of not more than 250 Vac.   | IEC 60335-2-15: 2002  |
| Stationary cooking appliances<br>          | Stationary cooking appliances, limited to cooking ranges, hobs and ovens, which are electrical stationary appliances intended for household use for cooking, with rated voltage of not more than 250 Vac for single-phase and 480 Vac for three-phase.  | IEC 60335-2-6: 2002   |
| Vacuum cleaner<br>                         | Vacuum cleaner, which is an electrical portable appliance intended for household use to remove dirt or dust, with supply voltage of not more than 250 Vac.  | IEC 60335-2-2: 2002   |
| Washing machine<br>                        | Washing machine, which is an electrical appliance intended for household use to wash clothes and textiles, with rated voltage of not more than 250 Vac.   | IEC 60335-2-7: 2000   |



| Controlled Goods   | Definitions   | Safety Standards   |
|--|---|--|
| 3-pin mains plugs<br> | 3-pin mains plug, limited to 13-amp rectangular types and 15-amp round types, which are portable devices that have rectangular or cylindrical projecting pins designed to engage with the contacts of a corresponding socket-outlet. 3-pin mains plugs also incorporate means for the electrical connection and the mechanical retention of a suitable flexible cord. | SS 145: Part 1: 1997<br>(3-pin rectangular type 13-amp plug) |
|  |   | SS 472: 1999<br>(3-pin round type 15-amp plug)               |

### High Risk

| Controlled Goods  | Definitions  | Safety Standards   |
|---|--|--|
| Components of the Liquefied Petroleum Gas system<br> | <b><u>Hose</u></b><br>Hose, namely a hose intended for household use in liquefied petroleum gas vapour phase and liquefied petroleum gas or air appliances not exceeding 5 KPa (50 mbar) operating pressure.   | SS 233: 2013   |
|   | <b><u>Regulator</u></b><br>Regulator, which is a non-adjustable device intended for household use that maintains the outlet pressure constant at a nominal value up to and including 50 mbar, independent, within specified limits, of inlet pressure or flow rate.  | SS 281: 1984   |
|   | <b><u>Valve</u></b><br>Valve, which is a device that is made from brass, bronze or aluminium forging, intended for household use with liquefied petroleum gas cylinders, to control the direction and volume of flow of the liquefied petroleum gas.                 | SS 294: 1998   |
| Domestic electric wall switch<br>                  | Domestic electric wall switch, which is an electrical manually operated general purpose switch for alternating current only, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A, intended for household fixed-electrical installations. | IEC 60669-1: 1998<br>(Valid till 04/08/2021)<br>or<br>IEC 60669-1: 2017                                |
|   |  | SS 403: 1997<br>(13A fused connection units switched)  |
| Gas cooking appliances<br>                         | Gas cooking appliances, limited to built-in, table, free standing and portable gas cookers, which are cooking appliances intended for household use that use gas or liquefied petroleum gas obtained from a non-refillable gas canister up to 1.4 litres as fuel.    | EN 30-1-1: 2008<br>Or<br>AS 4551: 2008 (Valid till 30/03/2021)<br>or AS 5263.1.1: 2016<br>(gas cooker) |
|   |  | EN 30-1-2: 2012<br>(forced-convection gas oven)  |
|   |  | EN 30-1-3: 2003<br>(glass-ceramic gas hob with enclosed covered burner)                                |

| Controlled Goods   | Definitions   | Safety Standards   |
|--|---|--|
|  |   | EN 30-1-4: 2012<br>and<br>IEC 60335-2-102: 2004<br>(gas cooker with automatic burner control system)                 |
|  |   | SS 401: 1997<br>(Portable cooking gas appliance)   |
| <b>Mains socket-outlets</b><br> | Mains socket-outlets, which are electrical devices that have 13-amp or 15-amp switched shuttered socket-outlets in a single or multiple arrangements, to engage with the pins of a corresponding plug designed for flush mounting in a suitable box or for surface or panel mounting. | SS 145: Part 2: 1997<br>(3-pin 13-amp socket-outlet)   |
|  |   | SS 145: Part 2:2018<br>(3-pin 13-amp socket outlet incorporated with USB port(s) and/or energy monitoring device(s)) |
|  |   | BS 4177: 1992<br>(3-pin 13-amp socket-outlet)<br>(cooker control unit)   |
|  |   | BS 7288: 1990<br>(3-pin 13-amp socket-outlet)<br>(socket-outlet with RCD)  |
|  |   | SS 472: 1999<br>(3-pin round type 15-amp socket-outlet)  |
| <b>Water heaters</b><br>      | Water heaters, limited to instantaneous and storage types, which are electrical appliances intended for household use to heat water below boiling temperature, with rated voltage of not more than 250 Vac.   | IEC 60335-2-35: 2002<br>(Instantaneous electric water heater)  |
|  |   | IEC 60335-2-21: 2004<br>(Mains pressure electric storage water heater)   |
| <b>Refrigerators</b><br>      | Refrigerator, which is an electrical appliance intended for household use that operates on the vapour compression principle for food storage and preservation, with rated voltage of not more than 250 Vac.   | IEC 60335-2-24: 2000   |

## 7 SAFETY AUTHORITY'S ADDITIONAL REQUIREMENTS

The Safety Authority monitors the safety of Controlled Goods sold in Singapore by investigating complaints, incidents and accidents reported to the authority. The information will be leveraged upon to develop the operational interventions within the Safety Authority's Additional 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                                 | a) The additional function must be tested to its applicable safety standard.<br>b) If a product has both functions of a Controlled Good and Non-Controlled Good, the product should be classified as a whole as a Controlled Good. The fact that it may have other functions that do not fall within the 33 categories is irrelevant. However, if the product with 'controlled' and 'non-controlled' functions are capable of being entirely and physically separated, such that it can be treated and sold as two separate and distinct products, then the registration can apply to only the 'controlled' product, and not the 'non-controlled' product. |
| <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 S) complied with EN 50075.<br>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 for electrical installations SS 638. If a range of power output is given, the maximum value output will be taken. Value will be based on supplier's declared output.  |
| 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.  |



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| 12                                     | Controlled Goods likely to be treated as toys 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.   |
| 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 (till 25/10/2021), or BS 1363-3, or clauses 12.1 & 12.3 of SS 145 Part 3: 2020 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 (till 25/10/2021), or clauses 12.1 & 12.3 of SS 145 Part 3: 2020 shall be provided.   |
| 19                                     | AC adaptor with detachable interchangeable plug pins  | Registered Supplier who is supplying AC adaptors with detachable interchangeable plug pins must include with its products, written instructions to inform customer on the type of detachable interchangeable plug pins that are approved and suitable to use in Singapore. These instructions are to be submitted to the Conformity Assessment Body for verification when applying for Certificate of Conformity.   |
| 20                                     | AC adaptor to be used with/ bundled together with Personal Mobility Devices (PMDs)          | <ol style="list-style-type: none"> <li>1. Registered Supplier to declare the model of the AC adaptor that is to be used with/ bundled together with the PMDs;</li> <li>2. Registered Supplier to provide valid IEC 60950-1 or IEC 62368-1 test reports for certification and registration of the declared AC adaptor under the CPS scheme; and</li> <li>3. Registered Supplier to provide the UL 2272 test report as supporting document, showing that the listed AC adaptor in the UL 2272 test report is the model declared to be used with/ bundled together with the PMDs.</li> </ol> |
| <b>Applicable to computer products</b> |   |   |

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| 21   | CD/DVD ROM (used in personal computer)                         | Test certificate showing that CD/DVD ROM has complied with IEC 60825-1 must be provided.   |
| 22   | 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.   |
| 23   | Powerline Ethernet Adaptor incorporated with 13A socket-outlet | Additional tests to clauses 13, 17 & 18 of SS 246 (till 25/10/2021), or clauses 13, 17 & 18 of SS 145 Part 3: 2020 shall be provided..   |
| <b>Applicable to ceiling fan and cycle fan</b> |  |  |
| 24   | Ceiling fan  | <p>a) These appliances if tested to IEC 60335-2-80 must also be tested to sub-clauses 5.7 and 5.8 of SS 360: 1992 (valid till 31/03/2022) or annex ZA of SS 655: 2020.</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> <p>c) The warranty issued shall recommend user to conduct regular examination of the fan suspension system at least once in every two years. <i>(For example: Users are advised to contact the fan supplier to conduct regular examination of the fan suspension system at least once in every two years.)</i> Written permission from the Safety Authority shall be obtained if a warranty with the above note is not supplied with the product.</p>   |
| 25   | Cycle Fan  | <p>a) These appliances if tested to IEC 60335-2-80 must also be tested to sub-clauses 5.7 and 5.8 of SS 360: 1992 (valid till 31/03/2022) or annex ZA of SS 655: 2020.</p> <p>b) Installation instruction shall mention the 3 expansion bolts for fastening the main suspension, safety cord, and expansion bolt with hook to fasten the safety cord and mounting plate. (Appendix Q)</p>  |
| 26   | Decorative ceiling fan   | <p>a) These appliances if tested to IEC 60335-2-80 must also be tested to sub-clauses 5.7 and 5.8 of SS 360: 1992 (valid till 31/03/2022) or annex ZA of SS 655: 2020.</p> <p>b) Installation instruction shall mention the 3 expansion bolts for fastening of the main suspension, safety cord, and expansion bolt with hook to fasten the safety cord and mounting plate (Appendix Q).</p> <p>c) 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 (valid till 31/03/2022) or annex ZA of SS 655: 2020.</p> <p>d) Drawing (Appendix P) to show that the wires within the motor shaft are not stressed must be provided.</p> <p>e) The warranty issued shall recommend user to conduct regular examination of the fan suspension system at least once in every two years. <i>(For example: Users are advised to contact the fan supplier to conduct regular examination of the fan suspension system at least once in every two years.)</i> Written permission from the Safety Authority shall be obtained if a warranty with the above note is not supplied with the product.</p> |

| <b>Applicable to portable / wall socket-outlet and portable cable reel</b> |   |  |
|--|---|--|
| <b>27</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>28</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>29</b>  | Remote controlled wall socket-outlet  | Remote controlled wall socket-outlet and/or portable socket outlet shall not be allowed for registration.  |
| <b>30</b>  | 3-pin 13-amp socket outlet incorporated with type C USB port(s) or<br>3-pin portable socket-outlet incorporated with type C USB port(s) | <p>3-pin 13-amp socket outlet or 3-pin portable socket-outlet incorporated with type C USB port(s) shall be tested to the following</p> <p>a) SS 145 Part 2: 2018; and IEC 60950-1: 2001 or IEC 62368-1: 2014</p>  |
| <b>Applicable to roaster</b>   |   |  |
| <b>31</b>  | Roaster   | <p>A metal ring (Appendix V) must be provided to prevent the roaster from falling off in case of the glass bowl shattering.</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>32</b>  | Test pressure of town gas for gas appliances  | All gas appliances must be tested up to 31 mbar for town gas.  |
| <b>33</b>  | Gas appliances tested to EN 30-1-1: 1998/2008   | <p>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.</p> <p>To use G112 gas as a limit gas for test clause 7.3.2.1.3 third test group to check for occurrence of light back, under performance clause 6.2.1.1.</p>  |
| <b>34</b>  | Flame failure device (FFD) incorporated in gas appliances   | <p><u>Component testing</u></p> <p>Supplier can choose to test to one of the following:</p> <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 at component level must be provided.</p> <p>b) Test report/certificate showing that FFD complied with AG 204: 1984 for gas appliance tested to AG 101 at component level must be provided. (Valid till 30/03/2021)</p> <p>c) Test report/certificate showing that FFD complied with AS 4620 – Thermoelectric flame safeguards for gas appliance tested to AS 5263.0:2017 or AS 5263.1.1:2016 at component level must be provided.</p> <p><u>Set testing</u></p> <p>Supplier can choose to test to one of the following:</p> <p>d) Testing to sub-clause 6.1.3 of EN 30-1-1 at set level must be carried out.</p> |

|                            |   | <p>e) Testing to sub-clause 3.6.13 of AG 101at set level must be carried out. (Valid till 30/03/2021)</p> <p>f) Testing to sub-clauses of 3.6.1.15 of AS 5263.0:2017 at set level must be carried out.</p>  |            |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |
|----------------------------|---|---|------------|---------------|-------------------------|--------|----|---|------------|----|---|--------------|----|---|--------|-------------|--|--|----|----|----|----------------------------|---|---|----|----------------|---|---|---|--------------|---|---|---|----------------------|---|---|---|---------------|---|---|---|
| 35                         | Gas oven  | a) It is compulsory for all gas ovens to be fitted with flame failure device.   |            |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |
| 36                         | 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 (Valid till 30/03/2021)</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 AG 101: 2000/AS 4551: 2000 (Valid till 30/03/2021)</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><li>• sub-clauses of 5.7.101(a), 5.12.101, 5.12.5, 2.14.2.2(d), 2.15.3.101 &amp; 5.7.104 of AS 5263.1.1:2016</li></ul>   |            |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |
| 37                         | Gasket for elbow joint of gas cooker  | Installation instruction must mention about the fixing of gasket for the elbow joint, if applicable. (Appendix R)   |            |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |
| 38                         | 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.  |            |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |
| 39                         | Material of gas hob cook top  | Different material requires separate certification and registration. Eg. stainless steel, enamel, stone, toughened-glass, ceramic-glass   |            |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |
| 40                         | 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"><thead><tr><th>Batch size</th><th>Sampling size</th><th>Acceptable failure size</th></tr></thead><tbody><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></tbody></table> <p>b) The sampled gas canisters shall be tested to the following clauses of SS 400 as follows:</p> <table border="1"><thead><tr><th rowspan="2">Clause</th><th colspan="3">Sample size</th></tr><tr><th>13</th><th>20</th><th>32</th></tr></thead><tbody><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></tbody></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><p>BATCHED INSPECTED<br/>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   |            |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |
| 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          |               |                         |        |    |   |            |    |   |              |    |   |        |             |  |  |    |    |    |                            |   |   |    |                |   |   |   |              |   |   |   |                      |   |   |   |               |   |   |   |

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| 41   | 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.  |
| Note: Refer to Appendix W for specifications of LPG and Town Gas supplied in Singapore |  |  |
| <b>Applicable to Residual Current Circuit Breaker (RCCB)</b>                           |  |  |
| 42   | RCCB   | a) 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.<br>b) Registered Suppliers must affix the Safety Mark on the RCCB and the Safety Mark must be identifiable when installed.  |
| <b>Applicable to electric instantaneous and storage water heater</b>                   |  |  |
| 43   | Instantaneous electric water heater and mains pressure electric storage water heater | a) Heating elements used must not be of the 'bare-element' type.<br>b) Registered Supplier must declare that the water heater is not using bare heating element when applying Certificate of Conformity with Conformity Assessment Body.   |
| 44   | 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.   |
| 45   | 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.<br>b) Pressure-relief devices shall prevent the pressure in the container from exceeding the rated pressure by more than 0.1 MPa.  |
| 46   | 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.<br>b) Registered Supplier must declare that the water heater is incorporated with a thermal cut-out providing all pole disconnection when applying for Certificate of Conformity.   |
| 47   | Instruction/user manual for storage water heaters                                    | Instruction/user manual of the storage water heaters to include but not limited to the following information:<br>a) For consumer <ul style="list-style-type: none"> <li>Operating instructions</li> <li>Parts identification – indicating critical safety components such as the thermostat, pressure relief valve, etc.), and advice to consumers on how to identify them</li> <li>Safety precaution/ tips</li> <li>General maintenance instructions – to include how to check the functionality of safety features such as the pressure relief valve, and good practices to check for and minimise wear and tear</li> <li>Troubleshooting guide - e.g. how to look out for signs of malfunction, and include appropriate warnings to stop using the appliance, and seek out qualified service technicians to rectify potential issues</li> <li>Advise to consumers to have the storage water heater serviced periodically by a qualified service technician</li> </ul> b) For authorised installers<br>Installation instructions: <ul style="list-style-type: none"> <li>Appropriate storage tank location, and secure mounting</li> <li>Electrical connections– connections should account for electrical safety, and prevent short circuit/ electrocution</li> <li>Piping connections – connections should account for potential pressure build ups and possibility of leakage/ corrosion</li> </ul> |



|  |  |  |
|--|--|--|
|  |  | <ul style="list-style-type: none"> <li>Pressure Relief valve connection</li> </ul> <p>c) Warning note</p> <ul style="list-style-type: none"> <li>To warn the consumer that the storage water heater should only be repaired/serviced by a qualified service technician</li> <li>To warn the consumer that the storage water heater should only be operated with all the safety devices fitted and functioning</li> </ul> <p>The requirement to include the above essential information into the instruction/user manual shall apply to all new registration and renewal of electric storage water heaters on and after 23 March 2019.</p>  |
| <b>Applicable to multi-way adaptor</b>                     |  |  |
| <b>48</b>  | Multi-way adaptor with 3-pin socket-outlets or combination of 3-pin and 2-pin socket-outlets | <p>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.</p> <p>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.</p> <p>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></p> <p>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.</p>                                    |
| <b>Applicable to plasma / LCD display monitor</b>          |  |  |
| <b>49</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.   |
| <b>Applicable to table lamp / standing lamp</b>            |  |  |
| <b>50</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>51</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>52</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. Valid new test report refers to new full type test report. The following are not accepted:</p> <p>a) Test report (submitted during initial COC application) + supplementary test report; and</p> <p>b) Test report (submitted during initial COC application) + verification test report.</p> <p>The following Controlled Goods are deemed as high risk:</p> <ul style="list-style-type: none"> <li>Gas Cooking appliances</li> <li>Components of LPG system (hose, regulator &amp; valve)</li> <li>Mains socket-outlets</li> <li>Water heaters</li> <li>Refrigerator</li> <li>Domestic electric wall switch</li> </ul> |

**8 REGISTRATION OF SUPPLIER OF CONTROLLED GOODS**

Suppliers who wish to supply Controlled Goods to consumers in Singapore would first have to register with the Safety Authority. After completing the registration process with the Safety Authority, they will thereafter be referred to as 'Registered Suppliers'. Registration is free-of-charge. A flow-chart for registration of supplier of Controlled Goods is found in Appendix B.

Supplier can submit the application for registration as a supplier of Controlled Goods as follows:

By online e-Registration

- Go to <https://cpsa.enterprisesg.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 proceed to submit SDoC or approach any of the designated Conformity Assessment Body (CAB) to apply for Certificate of Conformity (CoC). Suppliers may visit [www.enterprisesg.gov.sg/consumer-protection](http://www.enterprisesg.gov.sg/consumer-protection) to browse the list of CABs to their products for testing and certification.

**For Low Risk Level Controlled Goods (based on SDoC)**

When the Registered Supplier decides to supply Controlled Goods in Singapore, they shall send the Controlled Goods to a testing laboratory for testing. The testing laboratory would test the Controlled Goods against the safety standards as stated in Chapter 7 and issues the test report accordingly. The following test reports are acceptable by the Safety Authority:

- test reports with IECEE CB certificates,
- test reports issued by testing laboratories accredited by SAC and its MRA partners, and
- test reports issued by test laboratories designated by the Safety Authority

Upon receiving the test report, the Registered Supplier must declare that the Controlled Goods are in compliance with the safety requirements. The supplier shall submit the Supplier's Declaration of Conformity (SDoC) to the Safety Authority for registration. Registration can be done online at <https://cpsa.enterprisesg.gov.sg>. The registration fee for new registrations will be \$180 (excluding GST) to the Safety Authority.

After submission of the SDoC, the Safety Authority will register the Controlled Goods if all information in the SDoC is deemed to be in order. After the Controlled Goods have been successfully registered, the Safety Authority will issue an Acknowledgment Receipt for Certificate of Conformity (LOA) (Appendix M). With the LOA, the Registered Supplier shall affix the SAFETY Mark (Chapter 13) either on the registered Controlled Goods, or its packaging before commencing supply. In cases where there is/are modification(s) to the registered Controlled Goods, the Registered Supplier is required to inform the Safety Authority prior to selling the modified Controlled Goods. The Registered Supplier is required to maintain a Technical File for each registered Controlled Good as specified in Chapter 14. A flow-chart for registration of Controlled Goods is found in Appendix C.

**For Medium and High Risk Level Controlled Goods**

A Registered Supplier that decides to supply Controlled Goods in Singapore, shall submit application to CAB (Certification) or CAB (Certification – MRA) for certification..

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

Upon receipt of the CoC, an Acknowledgement Receipt for Certificate of Conformity (LOA) (Appendix M) will be issued. With the LOA, the Registered Supplier shall affix the SAFETY Mark (Chapter 13) either on the registered Controlled Goods, or its packaging before commencing supply.

Registered Suppliers who have the following types of test reports for their Controlled Goods, can apply to the CAB (Certification) for certification of their Controlled Goods:

- test reports with IECEE CB certificates
- test reports issued by testing laboratories accredited by SAC and its MRA partners
- test reports issued by test laboratories designated by the Safety Authority

The CAB (Certification) 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 involving modification(s) to the registered Controlled Goods, the Registered Supplier is required to inform the CAB (Certification), in accordance with the procedure 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.

Suppliers may visit [www.enterprisesg.gov.sg/consumer-protection](http://www.enterprisesg.gov.sg/consumer-protection) to browse the list of CABs to send their products for testing and certification.



Certificates of Conformity (CoCs) and Self-Declarations of Conformity (SDoCs) are both valid for three (3) years. Registered Suppliers who wish to continue supplying their registered Controlled Goods beyond three (3) years shall initiate the renewal process CoC expires regardless of any changes to the Controlled Goods. Renewal applications may not be made after the Controlled Good's registration expires. In such cases, a new registration supported by valid documents would be required .

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 an older edition of the standard, application for modification to upgrade to the latest minimum edition of the safety standard would be required.

Controlled Goods with expired CoCs or SDoCs can no longer be supplied to the domestic market as they are deemed as 'non-registered Controlled Goods'. Any person supplying 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 to CABs (Certification) or CABs (Certification-MRA) six months before CoCs expire .

- Suppliers should check with the CABs responsible for issuing the initial CoC for subsequent renewals.
- Once the CAB (Certification) or CAB (Certification-MRA) has evaluated the submission, they will submit the new CoC with the renewal fee of \$50 (excluding GST) to the Safety Authority at <https://cpsa.enterprisesg.gov.sg>. CABs may also levy additional charges for certification and administrative services.

### **Renewal of SDoCs**

Registered Suppliers are to submit applications for renewal six months before the expiry of SDoCs online at <https://cpsa.enterprisesg.gov.sg>. 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 registrations.

A flow-chart for renewal of registered Controlled Goods under SDoC is found in Appendix D

### **Transfer of CoCs (From Company A to Company B)**

If the business entity holding the CoC will be dissolved due to internal reorganization, and a new entity will be set up to continue supplying the Controlled Good in Singapore, there should be a transfer of CoC from the old business entity which will be dissolved (Company A) to the new business entity (Company B)

- Company B to apply as a Registered Supplier (if not already registered)
- Company B to approach CAB (Certification or Certification-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 A and Company B to submit any other information or document as required by CAB and/or the Safety Authority
- 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). The Controlled Good's registration will be withdrawn from company A and reregistered under company B

### **Transfer of SDoCs (From Company A to Company B)**

- An SDoC is a self-declaration by Company A that its product conforms to relevant safety requirements, therefore transfer of SDoC between companies are not allowed. Company B will need to do its own self-declaration.

**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 - Notification of Change of Registered Supplier's Particulars (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
- Trade name
- Model number
- 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 re-registered with the Safety Authority.
  - ii) The Registered Supplier only needs to submit the details of modification to the CABs (Certification) or CABs (Certification-MRA) for re-certification. For Controlled Goods that are registered based on SDoC, the Registered Supplier shall submit the details of modification to the Safety Authority.
  - 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, e.g. merely change(s) in the aesthetics that does (do) not affect the safety of the Controlled Goods:
- :
- i) The Controlled Goods do not have to be re-registered with the Safety Authority.
  - ii) The Controlled Goods do not have to be re-certified with the CABs (Certification) or CABs (Certification – MRA). For Controlled Goods that are registered based on SDoC, the Controlled Goods do not need to be re-certified with the Safety Authority.
  - iii) The Registered Supplier only needs to update the technical file with the modification
  - 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 (Certification) or CABs (Certification-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 (Certification) or CABs (Certification-MRA).
  - iii) The Registered Supplier can affix the SAFETY Mark using the new certification number and commence supply of the registered Controlled Goods.
  - iii) The Registered Supplier shall create a new technical file.
- (d) If the modification results in a change in the model number or trade name and the change is non-technical and does not affect the safety of the Controlled Goods:
- i. The Controlled Goods do not have to be re-registered with the Safety Authority. The Registered supplier is to declare clearly all the non-technical change(s) in Form – Notification of Modification to Registered Controlled Goods (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.
  - ii. The CAB shall edit the CoC to carry both the new and old trade name/model number if the modification is accepted.

**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 (Certification) or CABs (Certification – MRA) shall allocate certification numbers to the Registered Suppliers that have submitted Controlled Goods for the purpose of certification. For SDoC, the Safety Authority will allocate the certification numbers. 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 (Certification) or CABs (Certification – 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 (Certification) or CABs (Certification – 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 investigations in the event of a complaint, incident or accident. Regulation 16 also requires that, upon receiving any request 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**

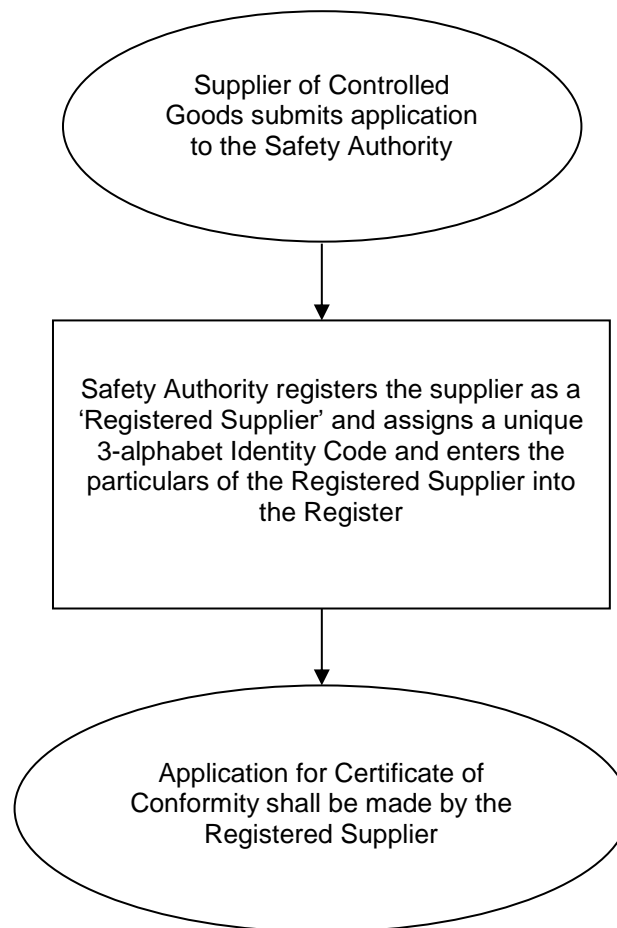
| No. | Type of Document  |
|-----|---|
| 1   | <b>Acknowledgement Receipt for Certificate of Conformity [also known as Letter Of Approval(LOA)]</b>  |
| 2   | <b>Certificate of Conformity</b> (in English version <u>only</u> )  |
| 3   | <b>Test Reports including its Test Certificates (if applicable)</b> (in English version <u>only</u> )   |
| 4   | <b>Full Electrical Wiring/Circuit Diagram or Service Manual (contains the electrical wiring/circuit diagram)</b><br>(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.<br>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)<br>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**

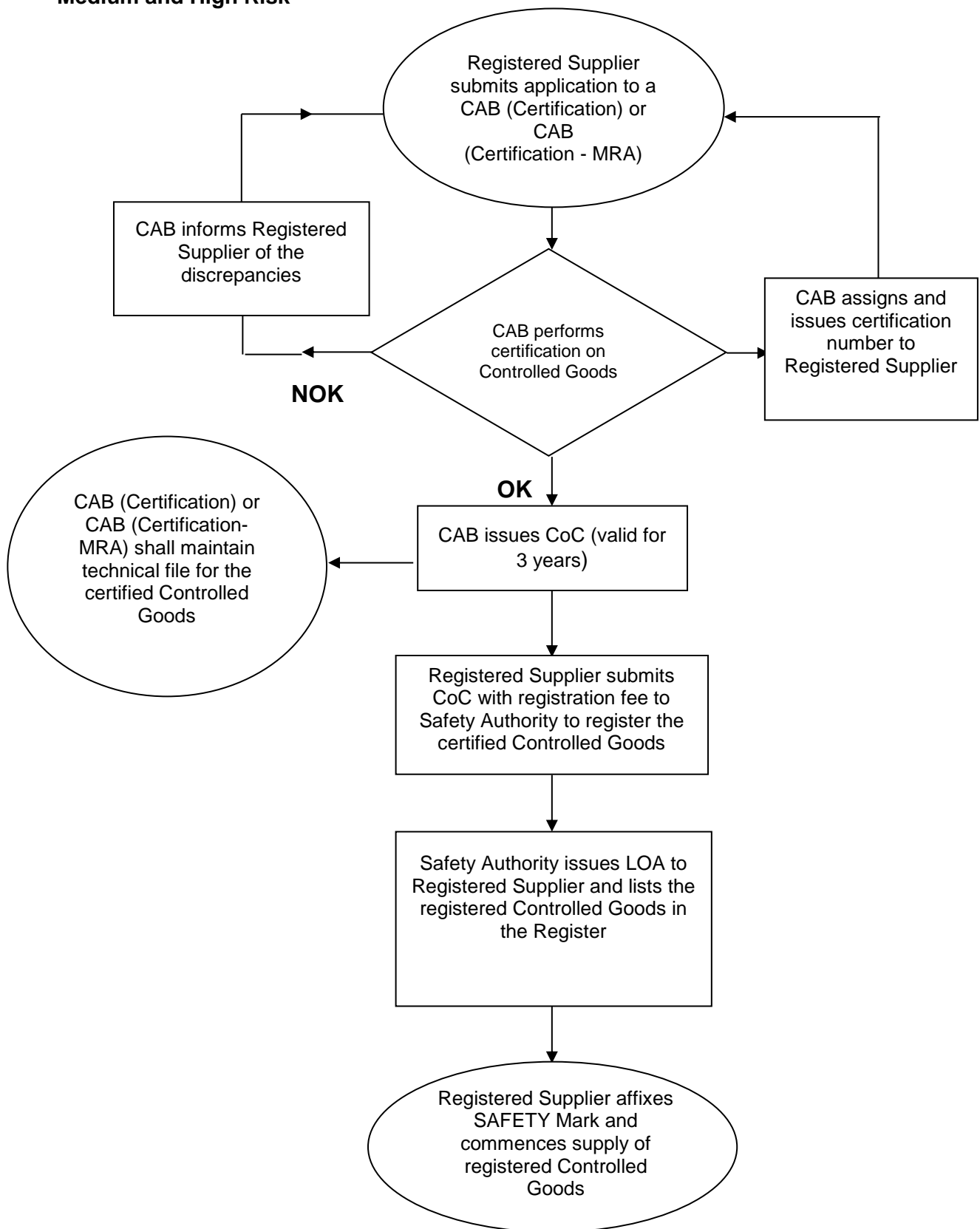
- 1 **CAB** means Conformity Assessment Body that conducts Conformity assessment for Controlled Goods.
- 2 **CAB (Certification)** means CAB that is designated by Enterprise Singapore, to issue CoCs for products or Controlled Goods supplied in Singapore, as specified in the First Schedule to the Consumer Protection (Safety Requirements) Regulations and/or overseas partners' scheme.
- 3 **CAB (Certification – 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 **CAB (Testing)** means testing body that is designated by Enterprise Singapore to perform testing for products or Controlled Goods supplied in Singapore, as specified in the First schedule to the Consumer Protection (Safety Requirements) Regulations and/or overseas partners' scheme.
- 5 **CAB (Testing– MRA)** means testing body CAB designated by overseas MRA partners to perform testing for products or Controlled Goods supplied in Singapore, as specified in the First schedule to the Consumer Protection (Safety Requirements) Regulations.
- 6 **COC** means Certificate of Conformity issued by either CAB (Certification) or CAB (Certification-MRA).
- 7 **Controlled Goods** means any goods of a type, class or description specified in the First Schedule of the Consumer Protection (Safety Requirements) Regulations.
- 8 **MRA** means a Mutual Recognition Agreement or Arrangement between Singapore and any other country/customs territory.
- 9 **LOA** means Acknowledgement Receipt for Certificate of Conformity issued by Enterprise Singapore, the Safety Authority.
- 10 **Registered Controlled Goods** means any Controlled Goods registered with the Safety Authority under Regulation 7 of the of the Consumer Protection (Safety Requirements) Regulations.
- 11 **Safety Authority** means the Enterprise Singapore Board (Enterprise Singapore) (formerly known as Standards, Productivity and Innovation Board) established under Section 3 of the Enterprise Singapore Board Act 2018).
- 12 **SAFETY Mark** means the SAFETY Mark specified in the Second Schedule of the Consumer Protection (Safety Requirements) Regulations.
- 13 **SDoC** means Supplier's Declaration of Conformity. It is a declaration by the Registered Supplier that the controlled goods conform to the safety requirements specified by the Safety Authority for the Controlled Goods.
- 14 **IEC** means the International Electrotechnical Commission.
- 15 **SS** means Singapore Standard.
- 16 **GST** means Goods & Services Tax.

**FLOW-CHART FOR REGISTRATION OF SUPPLIER OF CONTROLLED GOODS**



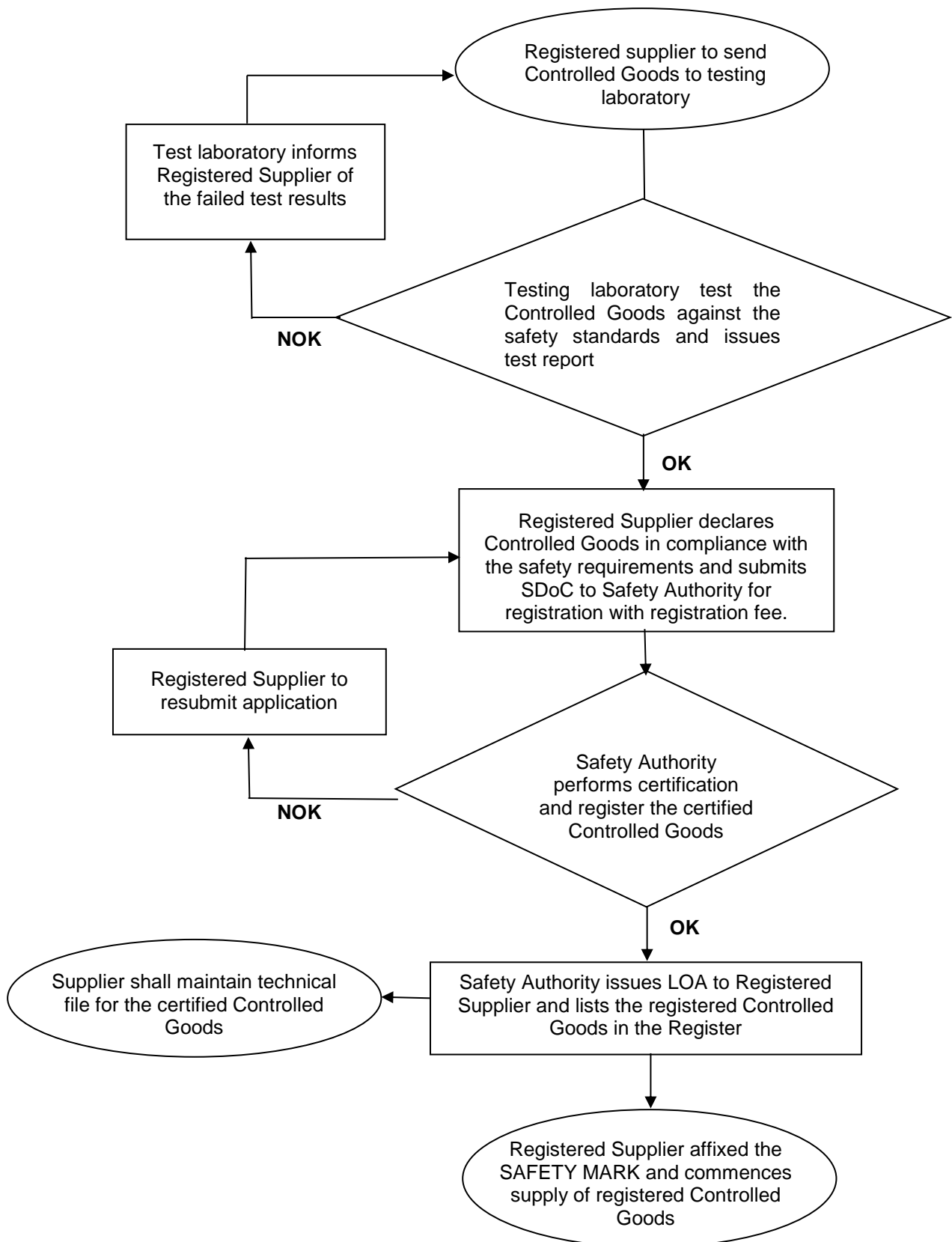
## FLOW-CHART FOR REGISTRATION OF CONTROLLED GOODS

## Medium and High Risk



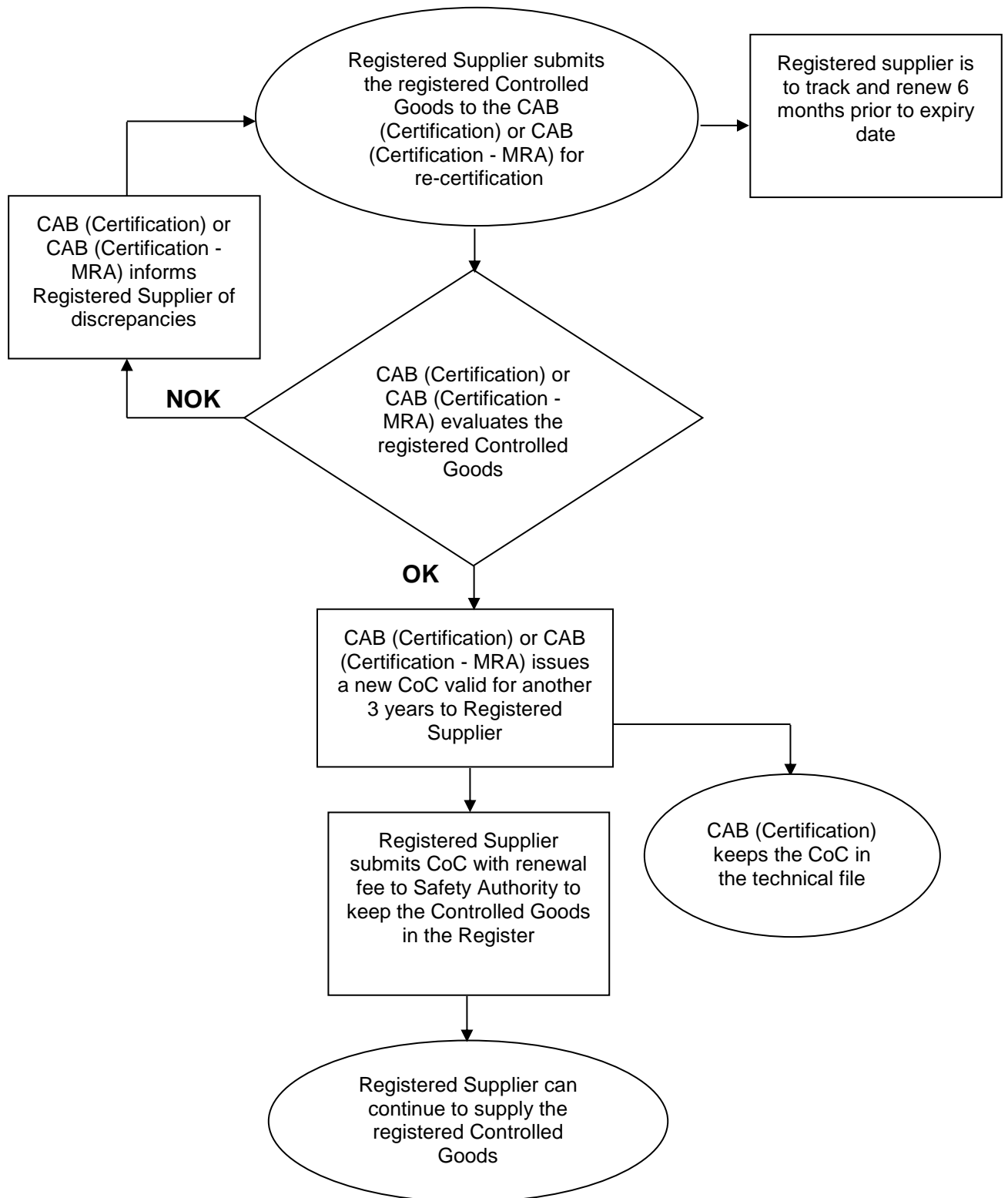
## FLOW-CHART FOR REGISTRATION OF CONTROLLED GOODS

## Low risk - SDoC



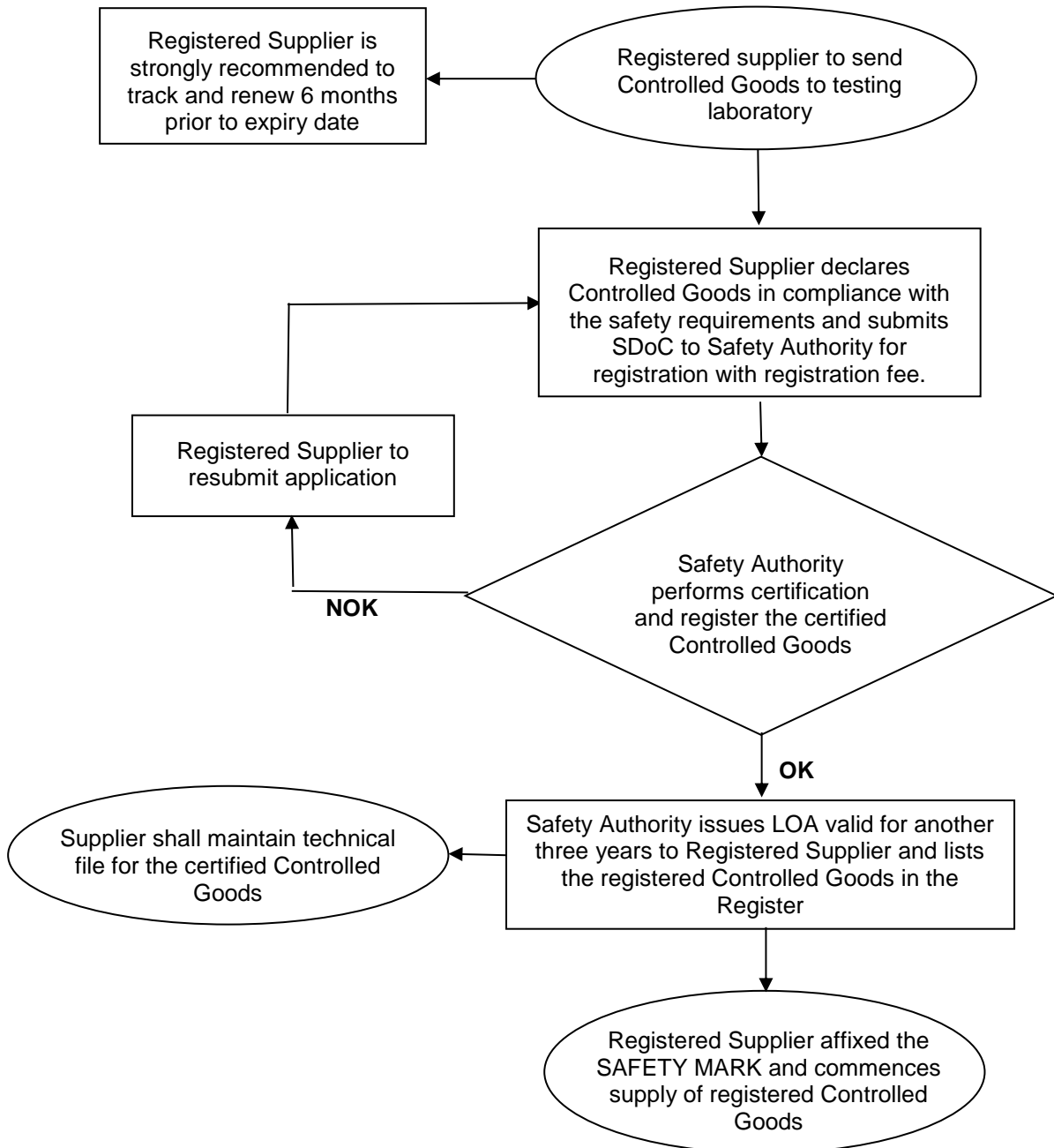
FLOW-CHART FOR RENEWAL OF REGISTERED CONTROLLED GOODS

Medium and High Risk

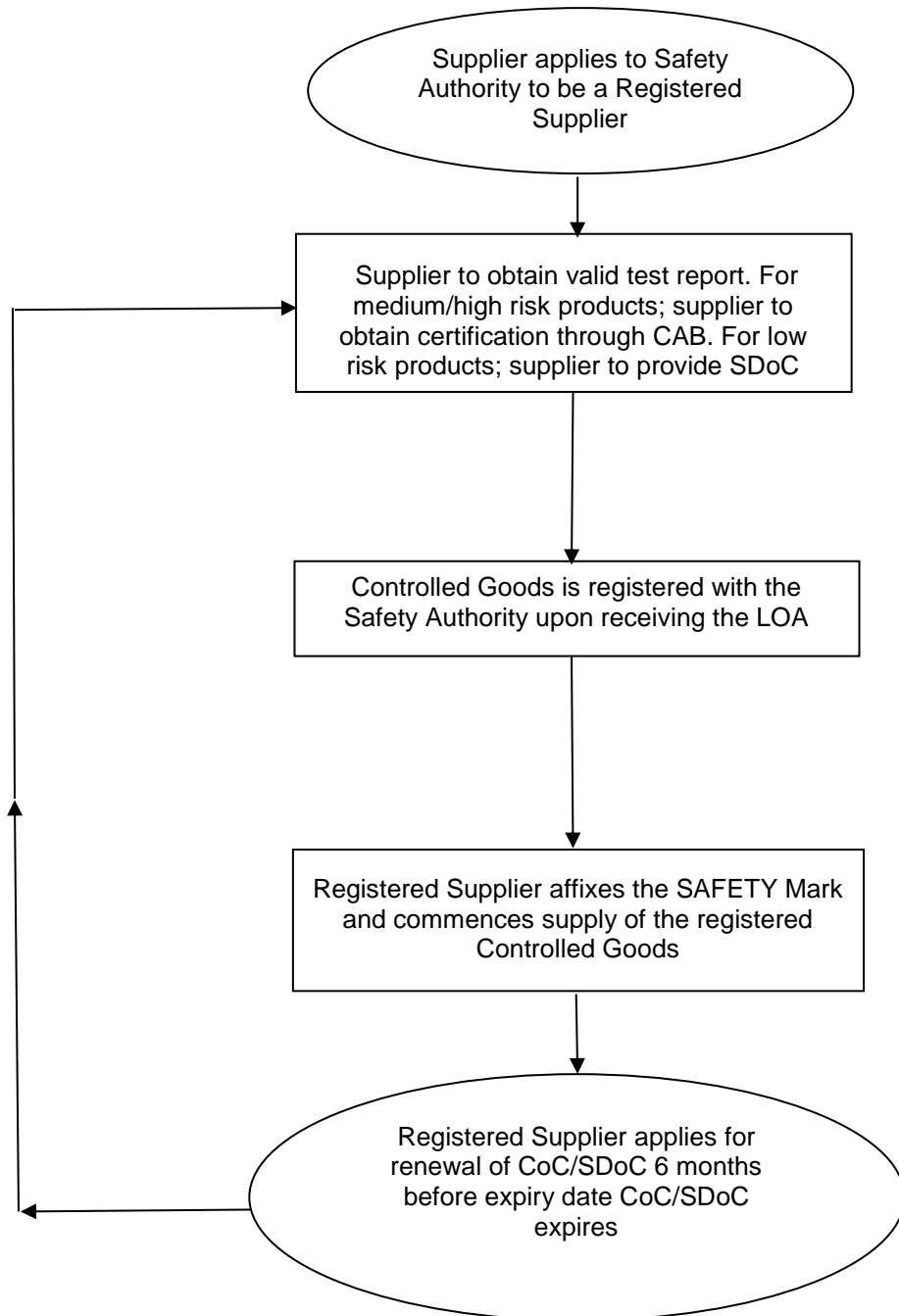


**FLOW-CHART FOR RENEWAL OF REGISTERED CONTROLLED GOODS**

**Low risk - SDoC**



**FLOW-CHART FOR THE OVERALL VIEW OF REGISTRATION PROCESS OF CONTROLLED GOODS**



**GUIDELINES FOR COMPLETING FORM – Application to be a Registered Supplier of Controlled Goods**

- 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.*
- 6 **Authorised Signature**  
*The signature of the staff authorised by the company to be responsible for the registration of Controlled Goods.*
- 7 **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.*
- 8 **Company's Registered Seal/Stamp**  
*The registered seal or rubber-stamp of the company.*
- 9 **Date**  
*The date of the day that FORM – Application to be a Registered Supplier of Controlled Goods is signed.*



**Application to be a Registered 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).

**Enterprise Singapore**

230 Victoria Street, #10-00, Bugis Junction Officer Tower, Singapore 188024  
Tel: 6898 1800 Website: [www.enterprisesg.gov.sg/](http://www.enterprisesg.gov.sg/)



### 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)

☐

Company's registered address

☐

Name and Designation of person authorised to represent the company

☐

Tel

☐

Fax

☐

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).

**Enterprise Singapore**

230 Victoria Street, #10-00, Bugis Junction Officer Tower, Singapore 188024

Tel: 6898 1800 Website: [www.enterprisesg.gov.sg/](http://www.enterprisesg.gov.sg/)



**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.:

Certificate of Conformity No.:

New Model No.:

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:**

**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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**Enterprise Singapore**

230 Victoria Street, #10-00, Bugis Junction Officer Tower, Singapore 188024  
Tel: 6898 1800 Website: [www.enterprisesg.gov.sg/](http://www.enterprisesg.gov.sg/)

**(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 **consumerprotection@enterprisesg.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>Adaptor</b> <ul style="list-style-type: none"> <li>▪ AC-DC/AC-AC Adaptor</li> <li>▪ Multi-voltage AC Adaptor</li> <li>▪ Power AC Adaptor</li> <li>▪ Breast pump Adaptor</li> </ul>   |
| <b>Hair care appliances</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> <li>▪ Hair curlers, hair straighteners and hair stylers</li> <li>▪ Bladeless hairdryer</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>Fans</b> <ul style="list-style-type: none"> <li>▪ Wall Fan</li> <li>▪ Cycle Fan</li> <li>▪ Ceiling Fan</li> <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>Audio and Video products</b> <ul style="list-style-type: none"> <li>High-Fidelity Set</li> <li>CD-Rom Video game</li> <li>DVD Video Recorder</li> <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> <li>Television/Video display unit</li> <li>Portable/clock radio</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>Pressure cooker</li> <li>Food Steamer</li> <li>Soybean Milk Maker</li> <li>Electric Medicine Pot</li> <li>Stewing Pot</li> <li>Soup warmer</li> </ul> <div> <p><b>Note: Pressure cooker fits into this category and should be a controlled good. Supplier will be given until 30/09/2020 to comply with the requirements.</b></p> </div> |
| <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>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>Liquid heating appliances</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</b> <ul style="list-style-type: none"> <li>Decorative Lighting Chain</li> <li>Christmas Tree Lighting</li> <li>LED lighting chain/rope</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>Switch</b> <ul style="list-style-type: none"> <li>Domestic electric wall switch with weather-proof cover</li> </ul>   | <b>Socket Outlet</b> <ul style="list-style-type: none"> <li>3-pin 13-amp socket-outlet with weather-proof cover</li> <li>3-pin round type 15-amp socket-outlet with weather-proof cover</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>Internal set-top box</li> <li>Scanner</li> <li>Docking station</li> <li>Notebook Computer*</li> <li>Multimedia projector</li> <li>Power line</li> <li>Communication equipment</li> </ul> <p><i>*Applicable to mains operated only</i></p>                                 | <b>Table/Standing Lamp</b> <ul style="list-style-type: none"> <li>LED table lamp</li> </ul> <b>Lamp Control Gear</b> <ul style="list-style-type: none"> <li>Ballast (Electronic / Magnetic type)</li> <li>LED Driver</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 and it is non-exhaustive. 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>• Cathode ray tube television receiver</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 monitoring/ 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>• Glue gun</li> <li>• Hand dryer</li> </ul> | <ul style="list-style-type: none"> <li>• Ice-cream maker</li> <li>• Insect/Mosquito killer</li> <li>• Immersion water heater</li> <li>• Juke box</li> <li>• Light bulb</li> <li>• Multiway adaptor with solely 2-pin socket-outlet</li> <li>• Massage chair (mains operated)</li> <li>• Milk frost maker</li> <li>• Portable misting fog fan</li> <li>• Mobile split air conditioner</li> <li>• Night light</li> <li>• Portable television operates on battery supply only (e.g. car battery)</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>• Smart plug</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>• USB only wall outlet</li> <li>• UV Sterilizer</li> <li>• Vending machine</li> <li>• Ventilation fan / Exhaust fan</li> <li>• Video cassette rewinder</li> <li>• Video cassette recorder</li> <li>• Security video recorder</li> <li>• Water distiller</li> <li>• Wine cooler</li> <li>• Wet grinder (e.g. peanut grinder)</li> </ul> |
|--|---|

**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.enterprisesg.gov.sg/consumer-protection](http://www.enterprisesg.gov.sg/consumer-protection).

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

CAB (Certification)'s or CAB (Certification – 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: \_\_\_\_\_

**SPECIMEN**

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

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

Country/Region 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 <https://cpsa.enterprisesg.gov.sg/> for registration procedure.

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

CAB (Certification)'s or CAB (Certification – 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 2300 W, 5 Kg, Class I, 240 VAC, 50 Hz,****2300 W, 5 Kg, Class I**Trade Name: **TECTRONIC**Model Number: **EWM-5005SS**Country/Region 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 <https://cpsa.enterprisesg.gov.sg/> for registration procedure.

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

**Acknowledgement Receipt for Certificate of Conformity**

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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*

---

230 Victoria Street, #10-00, Bugis Junction Officer Tower, Singapore 188024  
Tel: 6898 1800 Fax: 6278 9885 Website: [www.enterprisesg.gov.sg/](http://www.enterprisesg.gov.sg/)

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

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 032C.



**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.

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 032C.

- a) The SAFETY Mark shall be easily discernible on the Controlled Goods.
- b) 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.
- c) Rating labels or standalone adhesive labels with the SAFETY Mark shall not come loose or curled at the edges.
- d) 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.



**(for mains plug)**

**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.



**(for 3-pin portable socket-outlet)**



**(for portable cable reel)**

**7) SAFETY Mark on Residual Current Circuit Breaker (RCCB), Mains Socket Outlet, Domestic Electric Wall Switch, Lamp Control Gears and Isolating Transformer for Downlight Fitting**

These five 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.

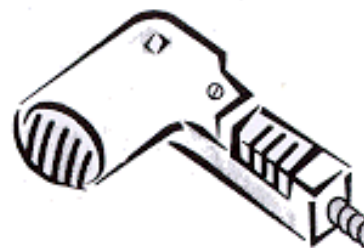
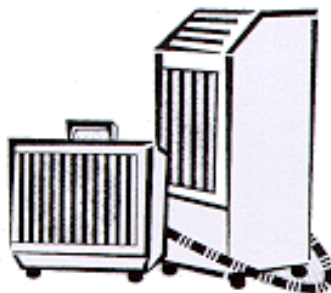
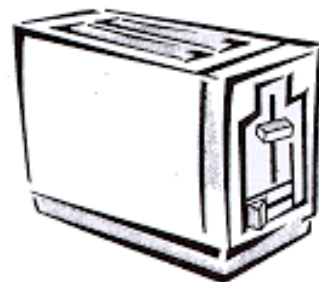
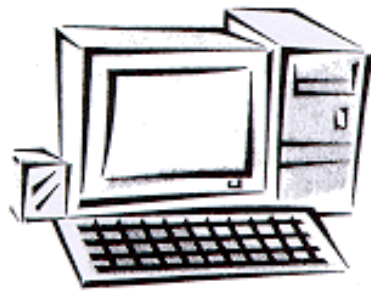
**8) Displaying of Registered Controlled Goods at Retail Outlets**

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.

**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 Enterprise Singapore, Safety Authority, Consumer Protection, Weights & Measures Division (CW), for vetting before publication. Please contact ESG’s hotline at 6898 1800, or Email: [consumerprotection@enterprisesg.gov.sg](mailto:consumerprotection@enterprisesg.gov.sg)

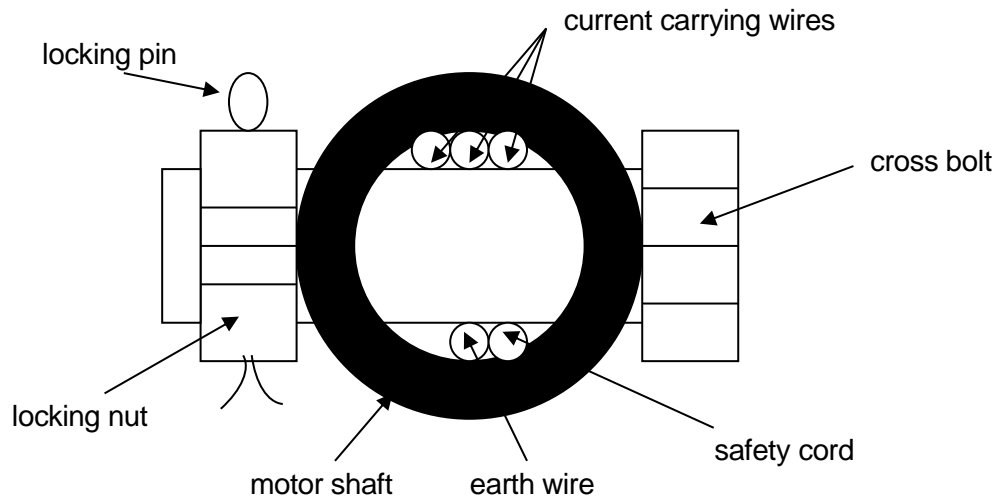
**EXAMPLE**



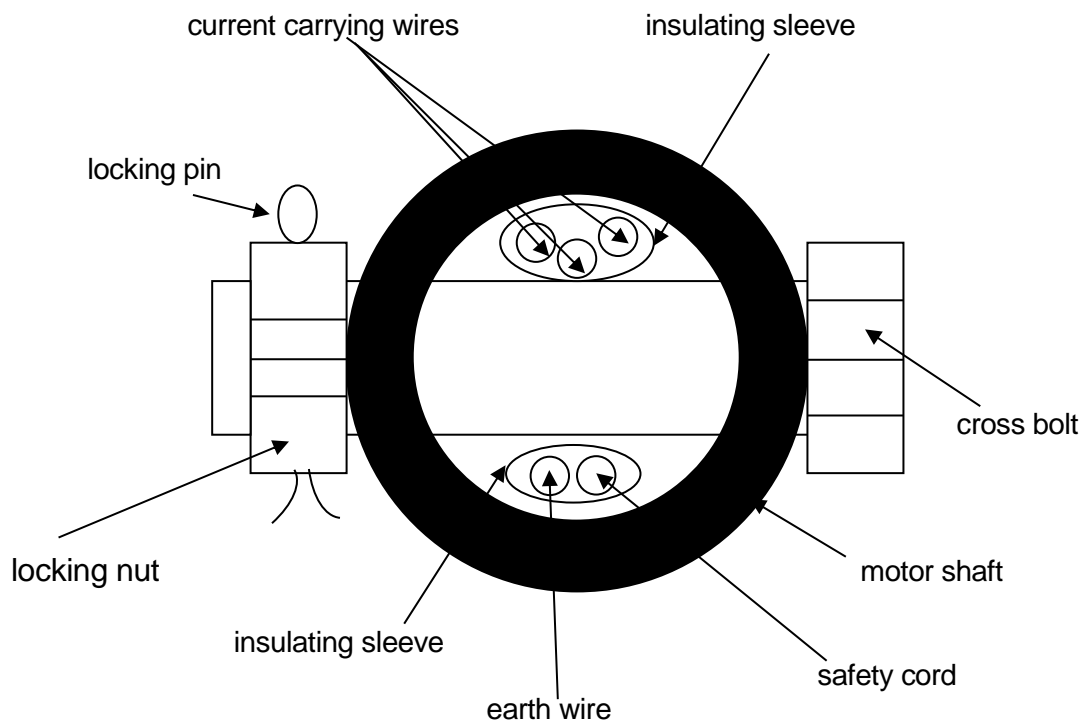
**Safe Home with the SAFETY Mark**



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

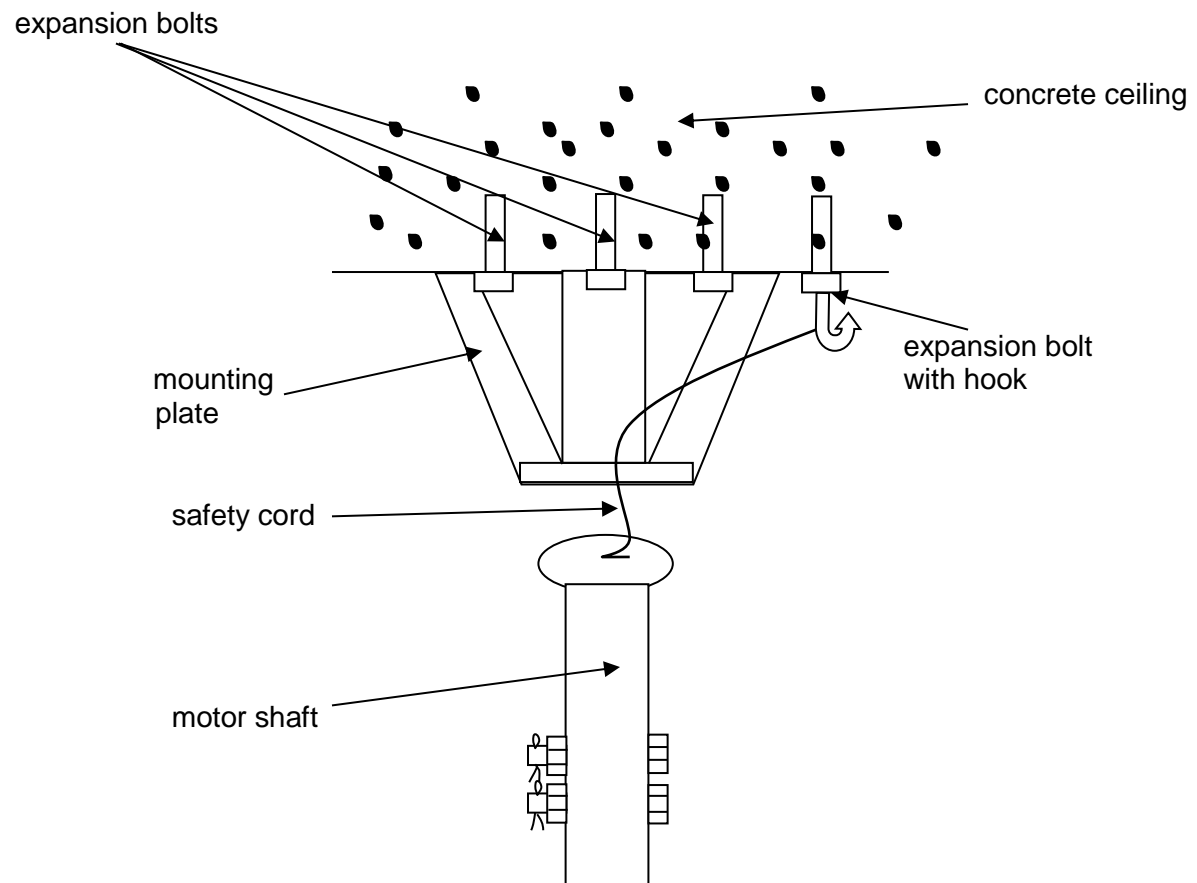


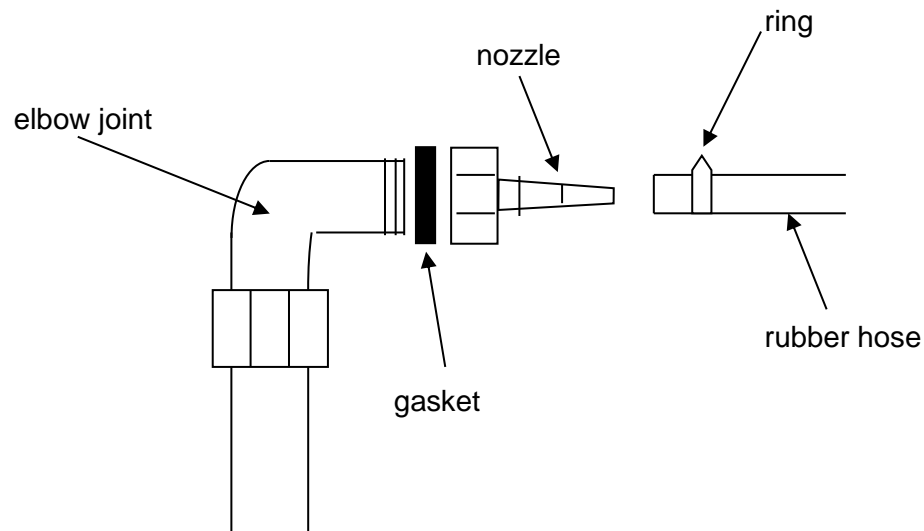
**Figure A: Not Acceptable (wires under stress)**



**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**

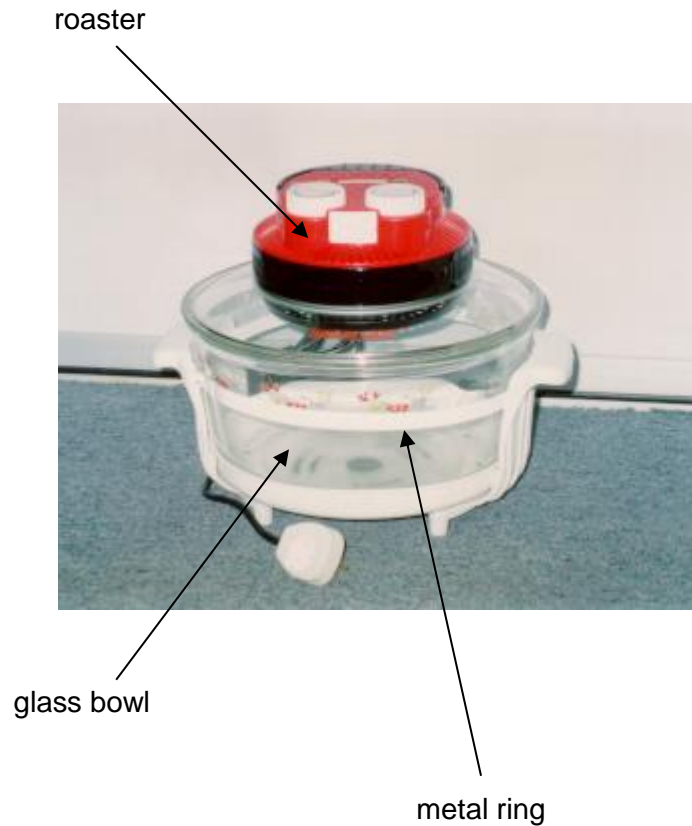




**EXAMPLES OF 2-PIN AND 3-PIN AC ADAPTORS**



**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%<br>@ 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> | <u>Volume %</u> |              |
|-------------------|-----------------|--------------|
|                   | <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    |

Gas supply pressure: Between 10 mbars and 20 mbars (inclusive of both pressures) measured at the outlet of the gas service isolation valve.

All equipment designed for use with town gas must operate on a minimum supply pressure of 63mm water gauge.

(Please note that the gas pressure at the appliance level may be different from gas service isolation valve.)

**LPG Specification:**

| Volume<br>Composition % |       | Gross<br>calorific<br>value MJ/m <sup>3</sup> | Wobbe<br>index<br>MJ/m <sup>3</sup> | Specific<br>gravity<br>(air=1) | Flame<br>speed factor<br>(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 |   |                                     |                                |  |                 |      |      |

**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 Enterprise Singapore 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. | Chapter   | Changelog (only main changes will be highlighted)  |
|-----|-----------|--|
| 1   | N/A       | Updated contact number for CPS related matters from 1800-773 3163 to 6898 1800   |
| 2   | Chapter 5 | Clarified that retailers purchased registered Controlled Goods, and subsequently make modifications to the Controlled Goods need to register these Controlled Goods themselves   |
| 3   | Chapter 6 | <p>Updated safety standards for AC adaptors for lamps as per circular 2020-12/2020-13</p> <p>Updated safety standards for fans, as per circular 2020-08/ 2020-09</p> <p>Updated risk level of lamp control gears, as per circular 2020-06/ 2020-07</p> <p>Updated safety standards for multi way adaptors as per circular 2020-10/ 2020-11</p> <p>Included required safety standards for registration of power tracks under 'portable socket-outlet'</p> <p>Updated the minimum edition of safety standard for domestic electric wall switch as per circular 2020-03/ 2020-04</p>  |
| 4   | Chapter 7 | <p>Item 8 – Updated code of practice to SS 638</p> <p>Item 14 – Updated additional requirements for Controlled Goods with direct plug-in 3-pin to include clauses 12.1 &amp; 12.3 of SS 145 Part 3: 2020, and that sub-clauses 12.1 &amp; 12.3 of SS 246 are valid till 25/10/2021</p> <p>Item 18 – Updated additional requirements for AC Adaptor incorporated with 13A socket-outlet to include clauses 13, 17 &amp; 18 of SS 145 Part 3: 2020, and that sub-clauses 13, 17 &amp; 18 of SS 246 are valid till 25/10/2021</p> <p>Item 23 – Updated additional requirements for Powerline Ethernet Adaptor incorporated with 13A socket-outlet to include clauses 13, 17 &amp; 18 of SS 145 Part 3: 2020, and that sub-clauses 13, 17 &amp; 18 of SS 246 are valid till 25/10/2021</p> <p>Item 24 – Updated additional requirements for ceiling fan to include annex ZA of SS 655: 2020 if tested to IEC 60335-2-80 and that sub-clauses 5.7 and 5.8 of SS 360: 1992 are valid till 31/03/2022</p> <p>Item 25 – Updated additional requirements for cycle fan to include annex ZA of SS 655: 2020 if tested to IEC 60335-2-80 and that sub-clauses 5.7 and 5.8 of SS 360: 1992 are valid till 31/03/2022</p> |

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|   |            | <p>Item 26 – Updated additional requirements for decorative ceiling fan to include annex ZA of SS 655: 2020 if tested to IEC 60335-2-80 and that sub-clauses 5.7 and 5.8 of SS 360: 1992 are valid till 31/03/2022</p> <p>Item 29 -- Updated additional requirements for remote controlled wall socket outlet to include remote controlled portable socket outlet</p> <p>Item 30 – Additional requirement for 3-pin 13-amp socket outlets/portable socket outlets with type C USB port</p> <p>Removed additional requirements for specifications of LPG and town gas (previously item 32). Readers are directed to use Appendix W as a reference for specifications of LPG and Town Gas supplied in Singapore. Appendix W is intended to be used as a reference for suppliers and does not constitute an additional requirement.</p> <p>Item 52 – Removal of lamp control gears as high risk Controlled Goods</p> |
| 5 | Chapter 10 | <p>Clarified that Registered Suppliers are to submit applications for renewal six months before the expiry of SDoCs online at <a href="https://cpsa.enterprisesg.gov.sg">https://cpsa.enterprisesg.gov.sg</a>. Applications submitted after the expired CoCs would not be accepted for renewal.</p> <p>Updated procedures for transferring CoCs between business entities. Companies involved in the transfer to approach CAB that originally certified the product; the CAB will liaise with ESG regarding the transfer</p>  |
| 6 | Chapter 12 | <p>Included change in trade name and change in model number as examples of non-technical changes.</p> <p>Updated procedures involving changes to trade name and model numbers. CAB shall issue a new CoC with both the new and old trade name/model number if the modification is accepted.</p>   |
| 7 | Appendix J | <p>Updated table of non-controlled goods to include battery charger docking stations, energy monitoring devices, smart plugs, and UV sterilizers. Wall USB outlet replaced with USB only wall outlets</p>   |

- End of Information Booklet -