

**MUTUAL RECOGNITION ARRANGEMENT ON
CONFORMITY ASSESSMENT OF ELECTRICAL AND
ELECTRONIC EQUIPMENT**

**APEC EEMRA
Information Interchange**

Format PART 1

Introduction

This format is being prepared to assist member economies participating in the APEC MRA to prepare documentation required for participation in a consistent format.

It is expected that each participating member economy would submit their information in the recommended format to the APEC Secretariat as required by the MRA.

The format is based on the Information Notes on Good Practice for Technical Regulation and therefore provides for information to be supplied for each of the regulatory regimes identified in the notes. There are 7 regimes, they are for products requiring inspection, products requiring licensing, products requiring batch testing, products requiring approval (or certification), products requiring listing or registration, supplier declarations and essential safety requirements. Participating member economies need only provide information relating to the regimes which are in force in their economy. The regimes that are not enforced by the economy need to be noted also, please indicate this by placing 'none' in the standards table on the front of each regime.

Where more than one regulatory system applies within a participating member economy information on each regulatory system should be provided separately.

The format also draws upon the survey on Conformity Assessment of Electrical and Electronic Equipment conducted by the APEC SCSC. The format includes reference to applicable international standards and uses the international convention for describing the relationship of national and international standards, i.e. IDT for identical, MOD for modified, and NEQ for not equal.

When information makes reference to documents or legislation, the documents or legislation should be available on a website for that economy or provided as part of the information supplied to the APEC Secretariat.

ECONOMY – SINGAPORE

APEC EEMRA Information Interchange Format

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PART I – INFORMATION EXCHANGE

Regime Overview - The Singapore Consumer Protection (Safety Requirements) Regulations

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

The Consumer Product Safety Office or CPSO is an office overseen by Enterprise Singapore that is responsible for the implementation of the CPSR. One of the roles of the CPSO is to ensure compliance by the industry on the registration of thirty-three (33) categories of Controlled Goods. The 33 categories of Controlled Goods comprise common household electrical, electronic and gas appliances, and their accessories. The regime consists of two phases – pre-market approval and post-market surveillance.

Pre-Market Approval

Suppliers of Controlled Goods for consumers in Singapore must first be registered with the CPSO as Registered Suppliers. They are then required to register each model of Controlled Goods with the CPSO. Registration is conducted on the basis of testing and certification of the Controlled Goods by accredited conformity assessment bodies (CABs), to the CPSO-specified safety standards and requirements. Once the model has been registered with the CPSO, the Controlled Goods can then be advertised for supply and/or supplied in Singapore.

Post-Market Surveillance

After entry into the market, the CPSO conducts regular visits to shops and retail outlets to ensure that only registered controlled goods are displayed or offered for sale.

Legislative References

Legislation Applicable	Scope of the Legislation	Government Agency
<p>Consumer Protection (Trade Description and Safety Requirements) Act</p> <ul style="list-style-type: none">➤ Consumer Protection (Safety Requirements) Regulations	<ol style="list-style-type: none">1. Electrical & Electronic Products2. Components of the Liquefied Petroleum Gas system3. Gas cooking appliances	<p>The Consumer Product Safety Office (CPSO) of Enterprise Singapore</p>

1. PRODUCTS REQUIRING INSPECTION

None

2. PRODUCTS REQUIRING LICENSING

None

3. PRODUCTS REQUIRING BATCH TESTING

None

4. PRODUCTS REQUIRING APPROVAL (OR CERTIFICATION)

None

5. PRODUCTS REQUIRING LISTING OR REGISTRATION

Yes

6. SUPPLIER DECLARATIONS

Supplier Declarations of Conformity are accepted for registration of low-risk controlled goods. Registration is still required with the CPSO before supply in Singapore is allowed. See flow chart in page 12 for details.

7. ESSENTIAL SAFETY REQUIREMENTS

None

Products Requiring Registration under the Singapore CPSR

S/N	Product Type or Grouping	Regulations	Standards			
			Domestic Standards	Please Tick if Mandatory	Relevant International Standards	Extent of Alignment
Mandatory						
Low-Risk Controlled Goods						
1.	Air cooler				IEC 60335-2-98:2002	
2.	Fuse (≤ 13 amperes) for use in a plug		SS 167: 1977	✓		Based on BS 1362: 1973
3.	Room air-conditioner				IEC 60335-2-40: 2002	
4.	Table lamp/ Standing lamp				IEC 60598-2-4: 2017	
Medium-Risk Controlled Goods						
5.	AC Adaptors (for electrical appliances)				IEC 61558-2-6: 1997 IEC 61558-2-16: 2009	
	AC Adaptors (for electronics appliances)				IEC 60065: 2001 or IEC 62368-1: 2014	
	AC Adaptors (for computer/ telephonic appliances)				IEC 60950-1: 2001 IEC 62368-1: 2014	
	AC Adaptors (for shaver)				IEC 60335-2-8: 2002	
	AC Adaptors (For battery chargers)				IEC 60335-2-29: 2004 IEC 60335-2-29: 2002 with A1	
	AC Adaptors (for LED lightings)				IEC 61347-2-13: 2006	
	AC Adaptors (table/standing lamps)				IEC 60598-2-4: 2017 IEC 60598-2-4-1997 (valid till 30 Nov 2021)	
	AC Adaptors (for breast pump)				IEC 60601-1: 2005	
6.	Audio and video products				IEC 60065: 2001 IEC 62368-1: 2014	

S/N	Product Type or Grouping	Regulations	Standards			
			Domestic Standards	Please Tick if Mandatory	Relevant International Standards	Extent of Alignment
			Mandatory			
7.	Coffee maker, slow cooker, steam boat and similar appliances				IEC 60335-2-15: 2002	
8.	Decorative Lighting chain				IEC 60598-2-20: 2002	
	Decorative Lighting chain (for rope lights)				IEC 60598-2-21: 2014	
9.	Fans (for table, standing or wall fan)		SS 655: 2020	✓	IEC 60335-2-80: 2002	
	Fans (for ceiling or cycle fan)		SS 655: 2020 SS 360:1992 sub-cl.5.7 and 5.8 only (valid till 31 Mar 2022)	✓	IEC 60335-2-80: 2002	
10.	Gas canister		SS 400: 1997	✓		
11.	Hair care appliances				IEC 60335-2-23: 2003	
12.	Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)				IEC 60950-1: 2001 or IEC 62368-1: 2014	
13.	Iron				IEC 60335-2-3: 2002	
14.	Isolating transformer for downlight fitting (Magnetic type)				IEC 61558-2-6: 1997	
	Isolating transformer for downlight fitting (Electronic type)				IEC 61347-2-2: 2000	
15.	Lamp control gears (Magnetic type)				IEC 61347-2-8: 2000	
	Lamp control gears (Electronic type)				IEC 61347-2-3: 2000	
	Lamp control gears (For LED driver)				IEC 61347-2-13: 2000	
16.	Kitchen machines				IEC 60335-2-14:2002	

S/N	Product Type or Grouping	Regulations	Standards			
			Domestic Standards	Please Tick if Mandatory	Relevant International Standards	Extent of Alignment
Mandatory						
17.	Liquid heating appliances				IEC 60335-2-15: 2002	
	Liquid heating appliances (hot water dispenser storage type)				IEC 60335-2-21: 2004	
	Liquid heating appliances (hot water dispenser instantaneous type)				IEC 60335-2-35: 2002	
18.	Microwave oven				IEC 60335-2-25: 2002	
19.	Multi-way Adaptor (conventional type)		SS 145-3: 2020 SS 246: 2004 (Valid till 25 Oct 2021)	✓		SS 246: 2004 based on BS 1363-3 :1995 with A1 and A2
	Multi-way Adaptor (for adaptors incorporating USB ports and/ or electronic devices)		SS 145-3: 2020	✓		
20.	Toaster, hotplate including induction type, grill, oven and similar appliances				IEC 60335-2-9: 2002	
	Deep fryer, electric wok and similar appliances				IEC 60335-2-13: 2002	
	Outdoor electric barbeque grill				IEC 60335-2-78: 2002	
21.	3-pin portable socket-outlet		SS 145-2: 1997	✓		Based on BS 1363-2: 1995
	3-pin portable socket outlet incorporated with USB port(s) and/or electronic device(s)		SS 145-2: 2018	✓		
	Portable socket-outlet (for portable cable reel)		SS 307: 1996	✓		MOD to IEC 1242: 1995
	Portable socket-outlet (for power track)		SS 241: 1996 SS 145-2: 1997	✓		

S/N	Product Type or Grouping	Regulations	Standards			
			Domestic Standards	Please Tick if Mandatory	Relevant International Standards	Extent of Alignment
Mandatory						
			(Seq. 1,2 & 3 only)			
	Portable socket-outlet (for power track incorporated with USB ports and/ or electronic devices)		SS 241: 1996 SS 145-2: 2018 (Seq.1,2 & 3 only)	✓		
22.	Residual Current Circuit Breaker (RCCB)		SS 97-1: 2005	✓		MOD to IEC 61008-1: 1996
23.	Rice cooker				IEC 60335-2-15: 2002	
24.	Stationary cooking appliances				IEC 60335-2-6: 2002	
25.	Vacuum cleaner				IEC 60335-2-2: 2002	
26.	Washing machine				IEC 60335-2-7: 2000	
27.	3-pin mains plugs (rectangular 13-amp)		SS 145-1: 1997	✓		Based on BS 1363-1: 1995
	3-pin mains plugs (round 15-amp)		SS 472: 1999	✓		Based on BS 546: 1950
High-Risk Controlled Goods						
28.	Components of the Liquefied Petroleum Gas system (Hose)		SS 233: 2013	✓		
	Components of the Liquefied Petroleum Gas system (Regulator)		SS 281: 1984	✓		
	Components of the Liquefied Petroleum Gas system (Valve)		SS 294: 1998	✓		
29.	Domestic electric wall switch				IEC 60669-1: 2017 IEC 60669-1: 1998 (Valid till 04 Aug 2021)	
	Domestic electric wall switch (13A fused connection units switched)		SS 403: 1997	✓		

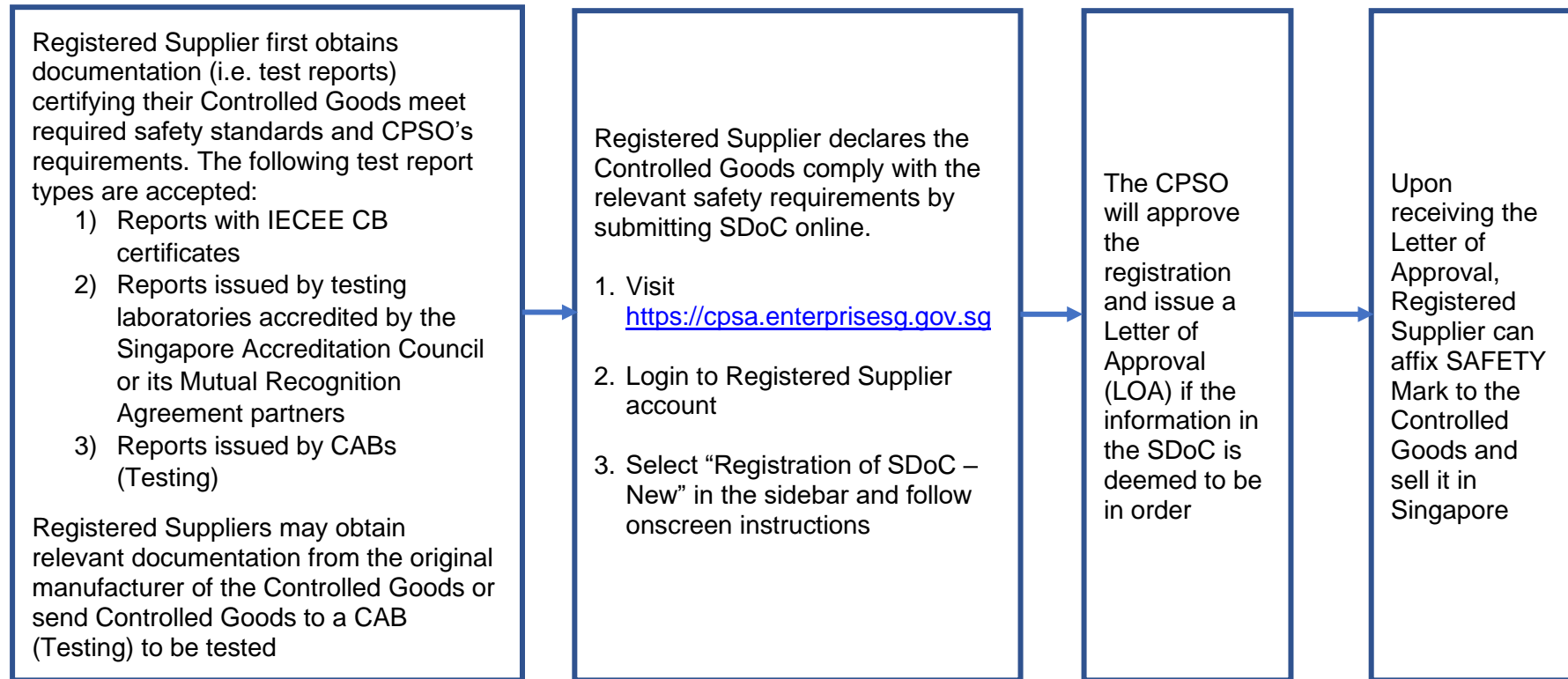
S/N	Product Type or Grouping	Regulations	Standards			
			Domestic Standards	Please Tick if Mandatory	Relevant International Standards	Extent of Alignment
Mandatory						
30.	Gas cooking appliances (gas cooker)				EN 30-1-1: 2008 AS 5263.1.1: 2016	
	Gas cooking appliances (forced-convection gas oven)				EN 30-1-2: 2012	
	Gas cooking appliances (glass-ceramic gas hob with enclosed covered burner)				EN 30-1-3: 2003	
	Gas cooking appliances (gas cooker with automatic burner control system)				EN 30-1-4: 2012 IEC 60335-2-102: 2004	
	Gas cooking appliances (portable cooking gas appliance)		SS 401: 1997	✓		
31.	Mains socket-outlets (3-pin 13-amp type)		SS 145-2: 1997	✓		Based on BS 1363-2: 1995
	Mains socket-outlets (3-pin 13-amp type incorporated with USB ports and/ or energy monitoring devices)		SS 145-2: 2018	✓		
	Mains socket-outlets (3-pin 13-amp type for cooker control unit)				BS 4177: 1992	
	Mains socket-outlets (3-pin 13-amp type with RCD)				BS 7288: 1990	
	Mains socket-outlets (3-pin round 15-amp type)		SS 472: 1999	✓		Based on BS 546: 1950
32.	Water heater (Instantaneous electric type)				IEC 60335-2-35: 2002	
	Water heater (Mains pressure electric storage type)				IEC 60335-2-21: 2004	
33.	Refrigerators				IEC 60335-2-24: 2000	

Note:

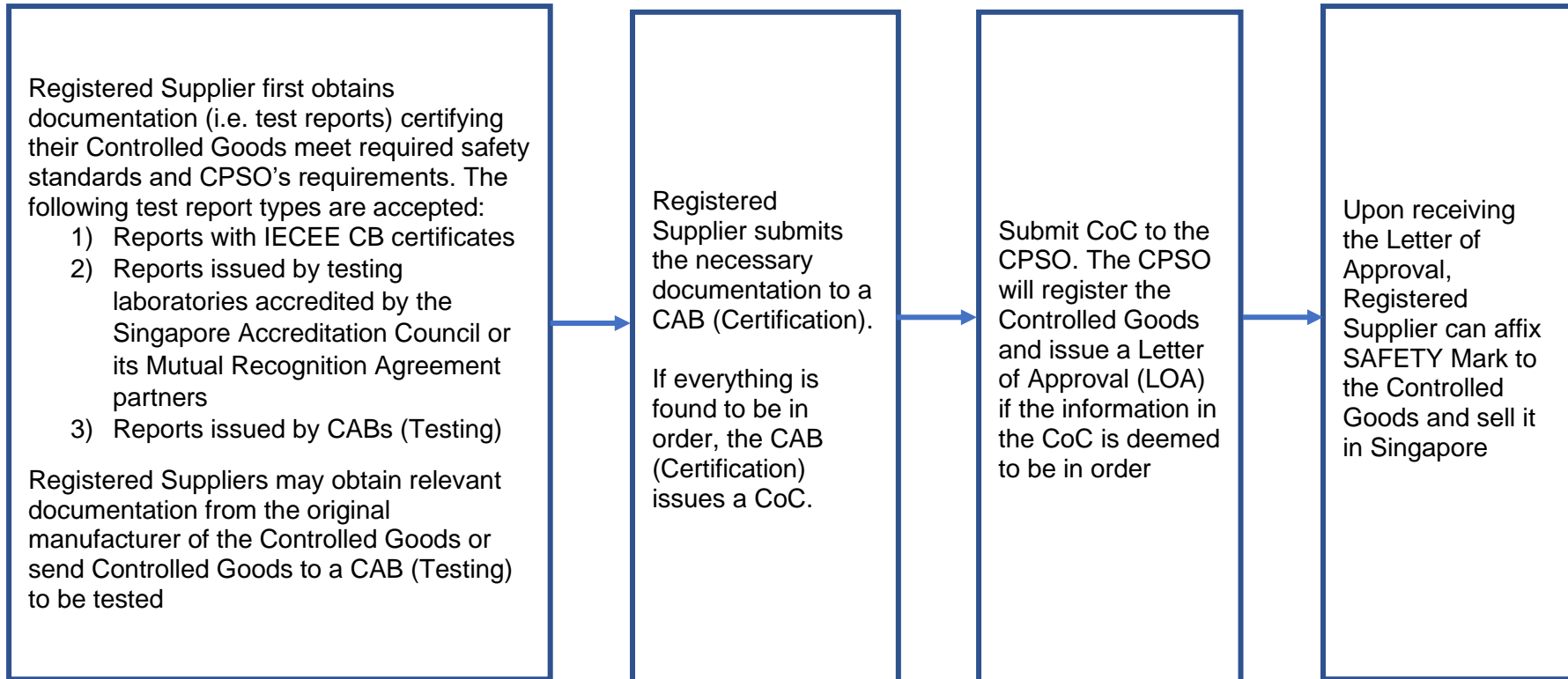
- Controlled Goods that are tested to more recent editions/ amendments of the specified safety standards are also acceptable.
- For information on Controlled Goods and requirements, please download a copy of the 'Singapore Consumer Protection (Safety Requirements) Registration Scheme Information Booklet' which is available at: <https://www.consumerproductsafety.gov.sg/images/cpsr-resources/cps-info-booklet.pdf>

Diagrammatic Representation or Flowchart of the CPSR

1. For Registration of Low Risk Level Controlled Goods (based on SDoC)



2. For Registration of Medium & High Risk Controlled Goods (based on CoC)



Description of the Regime

Testing Facilities

Testing is undertaken by third-party CABs (i) designated directly by the CPSO or (ii) designated by its MRA partners, or (iii) accredited under internationally-recognised schemes/ MRAs such as the IECEE CB scheme, ILAC and APLAC MRAs.

Approval (Certification) Agencies

Certification is undertaken by CAB designated (i) directly by CPSO or (ii) by its MRA partners

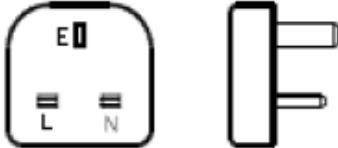

Labeling Requirements

SAFETY Mark must be affixed on the Controlled Goods or on their packaging.

Regulatory and Legislation Requirements

Registered Supplier with valid Certificate of Conformity (CoC) must submit COC to CPSO for registration. Registration is valid for a period of 3 years or based on the validity period of CoC (whichever is shorter).

Mains Voltage, Frequency and Mains Plug Configuration

Country	Mains Voltage and Tolerance	Mains Frequency and Tolerance	Applicable Legislation	Mains Plug Configuration			
				Domestic Standard	Relevant International Standard	Extent of Alignment	Diagram of Mains Plug Configuration
Singapore	230 volts single phase tolerance ±6%	50 Hz ±1%	NA	SS 145 for 3-pin rectangular type 13-amp plug SS 472 for 3-pin round type 15-amp plug	Not applicable	-	 <u>13-amp fused plug</u>  <u>15-amp plug</u>
	400 volts three phase tolerance ±6%	50 Hz ±1%	NA	-	-	-	-