

**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

Consumer Protection (Safety Requirements) Registration Scheme

The Ministry of Trade and Industry gazetted the Consumer Protection (Safety Requirements) Regulations 1991 on 1 June 1991 to ensure that consumer products gazetted as Controlled Goods meet specified Safety Requirements and they are generally safe for normal use.

On 1st April 2002, the Consumer Protection (Safety Requirements) Regulations 1991 was revoked and replaced by Consumer Protection (Safety Requirements) Regulations. Under the 2002 Regulations, the Consumer Protection (Safety Requirements) Registration Scheme (CPS Scheme) was changed from government to third party Conformity Assessment Body's (CAB) certification. Designated CAB would perform certification and issue Certificate of Conformity (CoC) valid for 3 years.

Upon receiving Certificate of Conformity (CoC) issued by CAB located in Singapore and MRA partners, Standards, Productivity and Innovation Board (SPRING Singapore) would register forty-one (41) categories of Controlled Goods.

With this change to the CPS Scheme, manufacturers, importers and traders would benefit from having more than one body to certify the Controlled Goods. Registration of Controlled Goods would be effected immediately upon issuing of Acknowledgement Receipt for CoC by SPRING Singapore. Suppliers of Controlled Goods would require to renew the CoCs before it expires.

Legislative References

Legislation Applicable	Scope of the Legislation	Government Agency
Consumer Protection (Safety Requirements) Regulations	Electrical & Electronic Products	Standards, Productivity and Innovation Board (SPRING Singapore)

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

Listing/registration is similar to approvals except that there is no direct activity by the regulatory agency before a product is placed onto the market.

The registration regime requires the products designated as Controlled Goods to be sent to any CABs located in Singapore or MRA partners for certification to SPRING Singapore's safety requirements. Controlled Goods that met the requirements will be issued with a Certificate of Conformity (CoC).

Controlled Goods with a valid CoC must be registered with SPRING Singapore.

Only registered Controlled Goods affixed with SAFETY Mark are allowed to be supplied, advertised and traded in Singapore.

Products covered by listing/registration

Product type or grouping	Regulations	STANDARDS			
		Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Air cooler		-	-	IEC 60335-2-98: 2002	-

Product type or grouping	Regulations	STANDARDS			
		Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Adaptor		-	-	IEC 61558-2-6: 1997 or IEC 61558-2-17: 1997 IEC 61558-2-16: 2009 (applicable to electrical appliances) IEC 60065: 2001 (applicable to electronic appliances) IEC 60950-1: 2001 (applicable to computer / telephonic appliances) IEC 60335-2-8: 2002 (applicable to shavers) IEC 60335-2-29: 2002 with A1 or IEC 60335-2-29: 2004 (applicable to battery chargers) IEC 61347-2-13: 2006 (applicable to LED lightings) IEC 60598-2-4: 1997 (applicable to table/standing lamps)	-
Any other audio products		-	-	IEC 60065: 2001	-
Cooking range		-	-	IEC 60335-2-6: 2002	-

Product type or grouping	Regulations	STANDARDS			
		Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Coffee maker, slow cooker, steam boat and similar appliances		-	-	IEC 60335-2-15: 2002	-
Decorative lighting fixture		-	-	IEC 60598-2-20: 2002	-
Hairdryer		-	-	IEC 60335-2-23: 2003	-
Home computer system (inclusive of monitor, printer, speaker and other mains operated accessories)		-	-	IEC 60950-1: 2001	-
High-fidelity set		-	-	IEC 60065: 2001	-
Iron		-	-	IEC 60335-2-3: 2002	-
Immersion water heater		-	-	IEC 60335-2-74: 2002	-
Kettle		-	-	IEC 60335-2-15: 2002 IEC 60335-2-21: 2004 (for hot water dispenser-storage type) IEC 60335-2-35: 2002 (for hot water dispenser-instantaneous type)	-
Laser disc set		-	-	IEC 60065: 2001	-

Product type or grouping	Regulations	STANDARDS			
		Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Microwave Oven		-	-	IEC 60335-2-25: 2002	-
Mobile split air conditioner		-	-	IEC 60335-2-40: 2002	-
Mixer, blender, mincer and similar appliances		-	-	IEC 60335-2-14: 2002	-
Refrigerator		-	-	IEC 60335-2-24: 2000	-
Rice cooker		-	-	IEC 60335-2-15: 2002	-
Room Air Conditioner		-	-	IEC 60335-2-40: 2002	-
Television/video display unit		-	-	IEC 60065: 2001	-
Table or standing fan		-	-	IEC 60335-2-80: 2002	-

Product type or grouping	Regulations	STANDARDS			
		Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Table lamp/standing lamp		-	-	IEC 60598-2-4: 1997	-
Toaster, grill, roaster, hot plate, deep dryer and similar appliances		-	-	IEC 60335-2-9: 2002 (applicable to toaster, hot plate (including induction type), grill, oven and similar appliances)	-
		-	-	IEC 60335-2-13: 2002 (applicable to deep fryer, electric wok and similar appliances)	
		-	-	IEC 60335-2-78: 2002 (applicable to outdoor electric barbeque grill)	
Video cassette recorder		-	-	IEC 60065: 2001	-
Vacuum cleaner		-	-	IEC 60335-2-2: 2002	-
Washing machine		-	-	IEC 60335-2-7: 2000	-
Wall fan/ceiling fan		- SS 360: 1992 (sub-clauses 5.7 & 5.8) (applicable to ceiling fan)	- √	IEC 60335-2-80: 2002	-
3-pin rectangular type 13-Amp Plug		SS 145: Part 1: 1997	√	-	Based on BS 1363:Part 1 :1995
Fuses (≤13A) for use in plug		SS 167: 1977	√	-	Based on BS 1362 :1973
3-pin round type 15-amp plug		SS 472: 1999	√	-	Based on BS 546: 1950

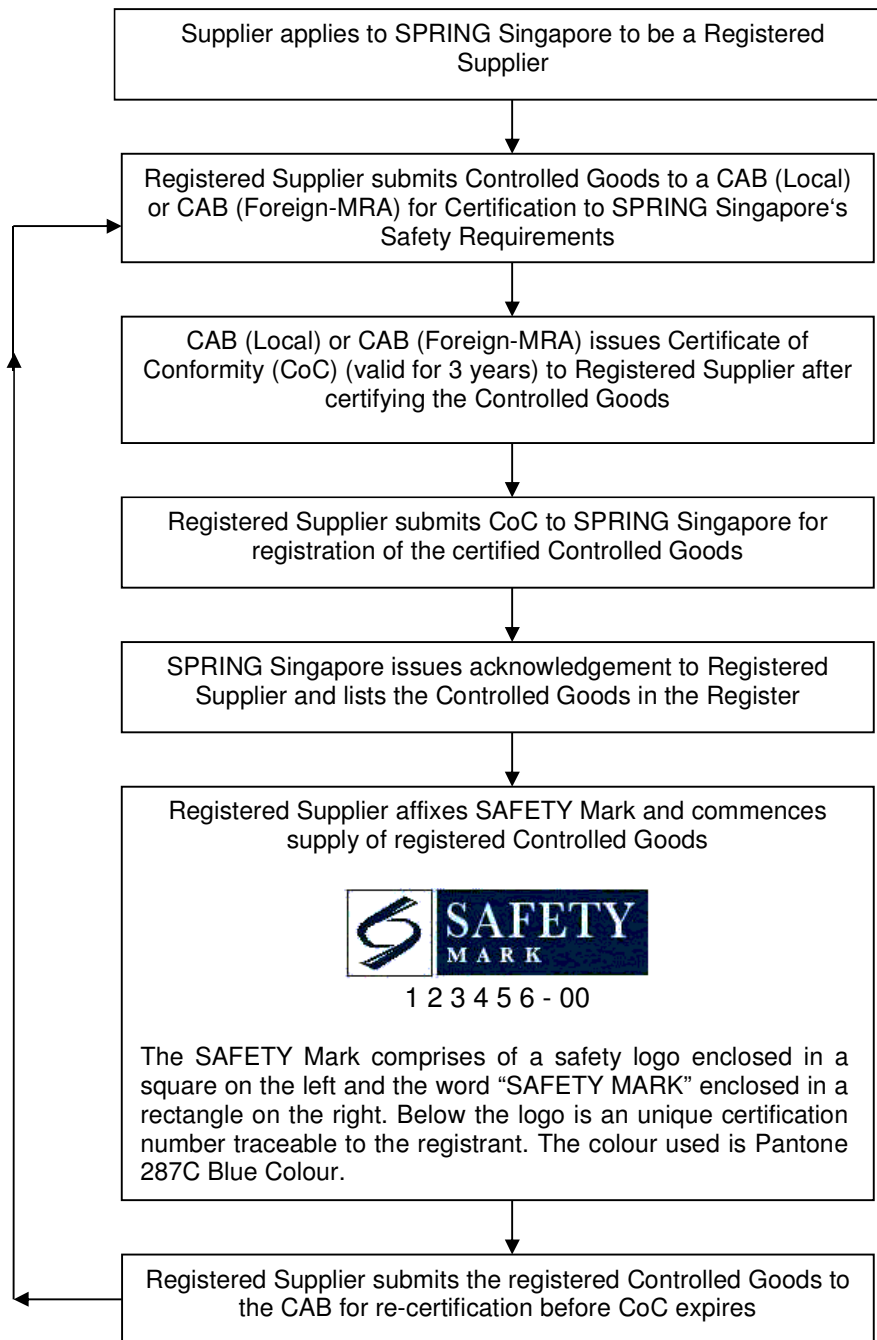
Product type or grouping	Regulations	STANDARDS			
		Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Multi-way Adaptors		SS 246: 2004	√	-	Based on BS 1363:Part 3 :1995 with A1 and A2
3-pin Portable Socket-outlet		SS 145: Part 2: 1997	√	-	Based on BS 1363 Part 2: 1995
Portable Cable Reels		SS 307: 1996	√	-	MOD to IEC 1242: 1995
Instantaneous Electric Water Heater		SS 146: Part 2: 5: 2007	√	-	MOD to IEC 60335-2-35 :2002
Mains Pressure Electric Storage Water Heater		SS 146:Part 2:8: 2007	√	-	MOD to IEC 60335-2-21: 2004
Residual Current Circuit Breaker (RCCB)		SS 97: Part 1: 2005	√	-	MOD to IEC 61008-1: 1996
3-pin 13-amp socket-outlet		SS 145: Part 2: 1997	√	-	Based on BS 1363: Part 2: 1995
3-pin round type 15-amp socket-outlet		SS 472: 1999	√	-	Based on BS 546: 1950
Domestic electric wall switch		SS 403: 1997 (for 13A fused connection units switched)	-	IEC 60669-1: 1998 -	IDT -
Ballast for tubular fluorescent lamp			-	IEC 61347-2-8: 2000 (magnetic ballast)	IDT
				IEC 61347-2-3: 2000 (electronic ballast)	IDT

Product type or grouping	Regulations	STANDARDS			
		Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Isolating transformer for downlight fitting		-	-	IEC 61558-2-6: 1997 or IEC 61347-2-2: 2000 (electronic isolating transformer) or IEC 61347-2-13: 2006 (for LED downlight)	-

Note:

- Controlled Goods that are tested to later year/amendment of the specified safety standard are also acceptable.
- For information on Controlled Goods and requirements, download a copy of the 'Singapore Consumer Protection (Safety Requirements) Registration Scheme Information Booklet' which is available at www.spring.gov.sg/safety.

Diagrammatic representation or flowchart of the regime



Description of the Regime

Testing Facilities

Testing is undertaken by (i) designated third party CAB and/or Recognised Testing Laboratories who are designated by SPRING Singapore; or (ii) CAB designated by MRA partners.

Approval (Certification) Agencies

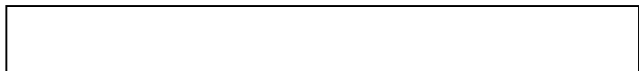
Designated CABs by SPRING Singapore or MRA partners.

Labelling Requirements

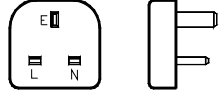
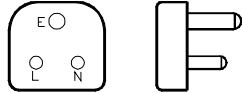
SAFETY Mark must be affixed on the Controlled Goods or on their packaging.

Regulatory and Legislation Requirements

Registered Supplier with valid Certificate of Conformity (CoC) must submit COC to SPRING Singapore for registration. Registration has same validity period as CoC (validity time limit is 3 years).



Mains Voltage, Frequency and Mains Plug Configuration

Country	Mains Voltage and Tolerance	Mains Frequency and Tolerance	Applicable Legislation	Mains Plug Configuration				
				Domestic Standard	Please tick box if mandatory	Relevant International Standard	Extent of Alignment	Diagram of Mains Plug Configuration-
Singapore	230 volts single phase tolerance $\pm 6\%$	50 Hz $\pm 1\%$	NA	SS 145 for 3-pin rectangular type 13-amp plug	3	Not applicable	-	 13A FUSED PLUG
				SS 472 for 3-pin round type 15-amp plug	3			 15A PLUG
	400 volts three phase tolerance $\pm 6\%$	50 Hz $\pm 1\%$	NA	-	-	-	-	

6. **SUPPLIER DECLARATIONS**

None

7. **ESSENTIAL SAFETY REQUIREMENTS**

None

8. **SUMMARY OF UPDATE**

Contact Points	Before change	After change
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Product type or grouping	Domestic Standards		Relevant International Standards	
	Before change	After change	Before change	After change
Kettle	-	-	IEC 60335-2-15: 2002	IEC 60335-2-15: 2002 IEC 60335-2-21: 2004 (for hot water dispenser-storage type) IEC 60335-2-35: 2002 (for hot water dispenser-instantaneous type)
Domestic electric wall switch	-	SS 403: 1997 (for 13A fused connection units switched)	-	-