



# **MALAYSIA'S REGULATORY REGIME FOR ELECTRICAL AND ELECTRONIC EQUIPMENT**



**26-27 May 2009  
HOLIDAY INN ATRIUM SINGAPORE**

**Presented by  
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## ROLES AND FUNCTION OF SAFETY DEPARTMENT

- **Processing application for Certificate of Approval (COA) for 31 domestic controlled equipment as :**
  - ✓ **Imported Equipment;**
  - ✓ **Manufactured Equipment;**
  - ✓ **Equipment for display/exhibition**
  
- **Cooperate with DSM & SIRIM on the preparation, studies and analyzing on the development of Malaysia Standards for the controlled electrical equipment**

## **ROLES AND FUNCTION OF SAFETY DEPARTMENT (Cont)**

- **Represent Malaysia as Regulatory Authority in ASEAN JAC EEE MRA (Joint Sectoral Committee on Electrical & Electronic Equipment Mutual Recognition Agreement)**
- **Represent Malaysia as Regulator in APEC JAC EE MRA : Part 1 & Part 2**
- **Promote the usage of MS and IEC Standards in EE equipment**
- **Conducts safety campaign/program for schools, factories, commercials and etc.**

## Applicable Legislation (1/3)

- Energy Commission Act 2001
- Electricity Supply Act 1990 (Amd. 2002)
- Electricity Regulations Act 1994 (Amd. 2004)

## Applicable Legislation (2/3)

- Section 4(l), Electricity Supply Act 1990 – *to prescribe the minimum standards and specifications and appraise and approve, where necessary, any electrical installation or equipment.*
- Regulation 97(1), Electricity Regulations Act 1994 – *certificate of approval needed for manufacture, import, display, sell or advertise equipment.*
- Customs (Prohibition for Imports) Orders 1998, [P.U (A)409/1987] and Amendment (No.10) 2000.

## Applicable Legislation (3/3)

Regulation 97(1), Electricity Regulations 1994 mentioned:

No person shall manufacture, import, display, sell or advertise:-

- (a) any domestic equipment;
- (b) any equipment which is usually sold direct to the general public; or
- (c) any equipment which does not required special skills in its operation,

Unless the equipment is approved by the Commission

## National Deviation

Low-voltage	:	<1000 VAC or <1500 VDC
Nominal Voltage	:	240 VAC +5%-10% 415 VAC +5%-10%
Frequency	:	50 Hertz +1%-1%

## **ENERGY COMMISSION CIRCULAR NO. 1/2003**

**Procedures And Conditions For Obtaining The Certificate of Approval (CoA) To Manufacture, Import, Display, Sell Or Advertise The Electrical Equipment (dated 31 March 2003)**

- **Come into force on 1<sup>st</sup> June 2003**
- **List of 31 Controlled Items**
- **Application procedures**
- **Type Test Reports**
- **Requirements for manufacturing/importing**
- **Annual Fee**



## Scope of Controlled Equipment

- **Household Appliances** (eg. Microwave, ovens, heaters, etc.)
- **Audio-Visual Equipment** (eg. DVD, VCD, etc.)
- **Components** (eg. Plugs, switches, adaptors, etc.)
- **Luminaries** (eg. Table lamps, fluorescent lamps, ballasts, etc.)
- **Domestic Power Tools** (eg. Drills, sanders, circular saws, etc.)
- **Wires/Cables/Cords** (sizes 0.5 – 35 mm<sup>2</sup>)

# Information

- **Approval of Electrical & Electronic Equipment (Info Booklet 2009 Edition)**

[www.st.gov.my](http://www.st.gov.my)

- **Payment by on line to bank account**

Application by on line  
**e-permit software**  
(Target date end 2009)

# Certificate of Approval (CoA)

**Under Regulation 97, Electricity Regulations 1994, 3 types of CoA :-**

- 1. Manufacturing, displaying, selling, advertising**
- 2. Importing, displaying, selling, advertising**
- 3. Displaying/exhibition**

# Type Test Report

1. Local : SIRIM Berhad/accredited laboratories under SAMM by DSM: or
2. Laboratories under IECEE CB Scheme ([www.cbcheme.org](http://www.cbcheme.org)); or
3. Accredited laboratories under APLAC MRA ([www.aplac.org](http://www.aplac.org)); and
4. Accredited laboratories under Listed CAB by ASEAN EE MRA

## REQUIREMENTS ON EQUIPMENT

### **Batch Testing/Consignment Scheme**

- ◆ A sample test of each batch or shipment of imported equipment at SIRIM

### **Product Certification Scheme**

- ◆ For equipment manufactured in Malaysia it shall enter Product Certification scheme at SIRIM imported equipment at SIRIM

# Offences and Penalty

## Section 37(1), ESA 1990;

- ◆ Any person who **manufactures** or **imports** or **sells** any equipment so as to cause or to be likely to cause danger to human life or limb or injury to any equipment or other property shall be guilty of an offence and for each such offence shall, on conviction, liable to a fine **not exceeding RM 100,000.00** or **imprisonment** for a term **not exceeding 5 years** or **both**.

## Offences and Penalty...cont.

### Regulation 122, ERs 1994;

- A person who contravenes or fail to comply with any of the provisions of these Regulations shall be guilty of an offence and shall, on conviction, be liable to a fine **not exceeding RM 5,000** or **imprisonment** for a term **not exceeding 1 year** or both.

# Applicable laws, regulation and administrative provisions for EE product

## Electricity Regulations 1994

### (Current Act and Regulation)....(cont)

#### Approval of Equipment

- Regulation 97(2): A Certificate of Approval to manufacture, import, display, sell or advertise the equipment shall be in Form V and W respectively as in Appendix L and M of this Information Booklet.
- Regulation 98: Where an equipment has been approved for manufacture, import, display, sale or advertisement by the Commission, the person to whom a Certificate of Approval has been issued under regulation 97 may required by the Commission to mark or label the equipment and he shall do so in the manner to be determined by the Commission.



# Applicable laws, regulation and administrative provisions for EE product

## Electricity Regulations 1994

### (Current Act and Regulation).....(cont)

- Regulation 99(1): Any application for a Certificate of Approval of any equipment referred to in regulation 97 shall be made to the Commission in the manner to be determined by the Commission.
- Regulation 101: (1) The Commission may at any time by notice in writing require a person who manufactures, imports, displays, sells or advertises any equipment to deliver, within such time as be specified in the notice, samples of the equipment for an examination and a test thereof.

# Applicable laws, regulation and administrative provisions for EE product

## Electricity Regulations 1994 (Current Act and Regulation)....(Cont).

- Regulation 106 : Renewal of a Certificate of Approval issued under Regulation 97, shall be made not less than 14 days before the date of expiry of the Certificate.
- Regulation 107(1) : No Certificate of Approval issued under Regulation 97, shall be transferred by the holder of the Certificate to any other person except with the written permission of the Commission.

# New Amendment Bill

## Safety of equipment & consumer appliances

- Covers both Equipment & Consumer Appliances
  - This allows for labelling for Electrical Equipment etc
- Equipment & Consumer Appliances to comply with standards as determined by ST
- Traders of these equipment must be registered with ST (one time)
  - Purpose: Know who they are
- ST recognises certifying bodies who can undertake proper certification of equipment for traders [Rationale: Compliance with MRA]

# New Amendment Bill

## Safety of equipment & consumer appliances (cont..)

- Traders declare compliance by submitting required documents to ST → certifying body report, sample and certificate that product forms a regular line of manufacture
- 3 types of certificates for 3 different categories of appliances
  - Safety labelling certificate → this issued by ST and entitles registered trader to label equipment with RCM
  - Performance registration certificate → issued by ST and entitles registered trader to label equipment with RCM
  - Suitability certificate → issued by ST and entitles registered trader to use RCM label on equipment
- Effect of certificate
  - Electrical product can be labelled with RCM

# New Amendment Bill

- **Chapter 4 – Electrical products and electrical consumer appliances**
  - ✓ Registration of manufacturers and importers
  - ✓ Determination of safety standards
  - ✓ Categorisation of equipment and appliances
  - ✓ Duty in respect of prescribed products
  - ✓ Duty in respect of non-prescribed products

## New Amendment Bill (Cont..)

- ✓ Duties of retailers
- ✓ Conformity assessment bodies
- ✓ Mutual recognition
- ✓ Surveillance

# Progress of the propose New Amendment Bill

- Discussion at ministry level – Jun 2009
- Forward to AG – September 2009
- Table at Parliament – October 2009
- Target Gazette - November 2009



**ST Website**

**[www.st.gov.my](http://www.st.gov.my)**

**THANKYOU**