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NUR FAIDARINA BT ALIAS Penolong Pengarah Unit Kelengkapan Elektrik Jabatan Kawalselia Keselamatan Suruhanjaya Tenaga

Energy Commission

Be Energy

www.st.gov.my

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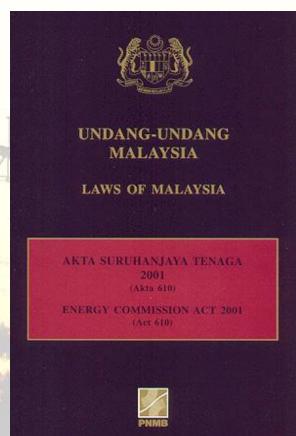
Banned Product?





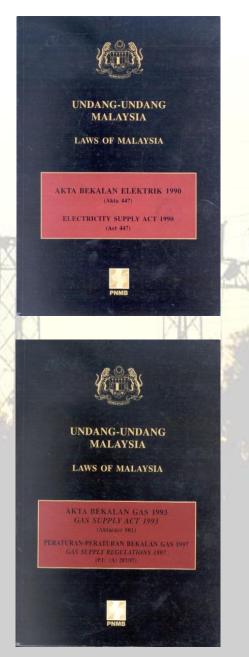
ENERGY COMMISSION

- Energy Commission / Suruhanjaya Tenaga (ST), a statutory body established under the Energy Commission Act 2001, is responsible for regulating the energy sector, specifically the electricity supply and piped gas supply industries in Peninsular Malaysia and Sabah
- Fully operational on January 1, 2002, the EC took over the role of the Department of Electricity and Gas Supply, which was dissolved on the same date



ENERGY SUPPLY LAWS

- Electricity Supply Act 1990 [Act 447] as amended in 2015
 - Electricity Regulations 1994 as amended in 2013 & 2014
 - Licensee Supply Regulations 1990
 - Electricity Supply (Compounding of Offences) Regulations 2001
 - Efficient Management of Electrical Energy Regulations 2008
- Gas Supply Act 1993
 - Gas Supply Regulations 1997
 - Gas Supply (Compoundable Offences) Order 2006





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COMPLIANCE OF LEGISLATION

Electricity Supply Act 1990

Electricity Regulations 1994

(Reg. 97 - Reg. 109)

Customs (Prohibition of Imports) Order 2012 **Sec 4(1)** - to prescribe the minimum standards & specifications & appraise & approve, where necessary, any electrical installation or equipment

Reg 97 (1) - Certificate of Approval (CoA) is required to manufacture, import, display, sell or advertise for electrical equipment

Reg 97 (C) - Certificate of Registration (CoR) is required to manufacture, import, display, sell or advertise for electrical equipment

Reg 98 - Marking or labelling of approved equipment

Reg 101A - Efficient use of electricity equipment

Schedule IV, Part II - List of electrical goods that required EC permit

Roles of Energy Commission (EC) - as a Regulator of EEE

Safety Regulation

To protect the public from dangers arising from the generation, transmission, distribution and supply and use of electricity and the supply and use of piped gas.







RECOGNISED TEST REPORT

IFCFFC CB

ADIAC/IIACMIRA,

DTI ASEAN

01 Sirim / QAV / Phychrometric (DAIKIN) / accredited lab under Laboratory Accreditation Scheme of Malaysia (SAMM) by DSM

SAMMI ab.

Lab under IECEE CB Scheme which CB test report need to be accompanied by CB test certificate **03** Lab which are accredited by the accreditation body that have signed the APLAC MRA or ILAC MRA

14 Lab listed as Designated Testing Laboratory (DTL) under ASEAN EEE MRA

LIST OF REGULATED EQUIPMENT



34 categories item 199 sub categories



No	Category Equipment	National Standard
1.	Plug Top /Plug	MS 589-1, 1577, 1578 MS IEC 60320-1,-2-2 MS 589-3, 1144 MS IEC 60998-1,-2-1,-2-2,-2-3,-2-4, MS 1873, -22
2.	Switch & Dimmer	MS IEC 60669-1,-2-1,-2-2,-2-3 MS IEC 61558-1,-2-8
3.	Socket Outlet	MS 589-2, 1577, 1579, 1141 MS IEC 61558-1, -2-5
4.	Lampholder / StarterHolder	MS IEC 60400
5.	Ceiling Rose	MS 770, MS IEC 60238
6.	Bayonet Cap & Multiways Adaptor	MS 769, IEC 61184
7.	Lamp fitting	MS IEC 60598-1,-2-1,-2-2 MS IEC 60155, 60968, 60969 MS IEC 61347-1,-2-13 MS IEC 60838-1,-2-2 MS IEC 62031,62776,62560



No	Category Equipment	National Standard
8.	Capacitors for fluorescent lamp	MS IEC 61048, 61049
9.	Ballasts / Control Gear	MS IEC 61347-1, -2-3, -2-8, MS141-2, MS IEC 60929, 61000
10	Circuit breaker:- RCD, MCB, Fuse	MS IEC 61008-1,-2-1, -2-2 MS IEC 61009-1,-2-1, -2-2 MS IEC 60898-1,-2, MS IEC 60269-1,-2,-3 MS IEC 60947-1, -3
11	Portable Luminaire Lamp	MS IEC 60598-1, -2-4, -2-8, -2-12
12	Kettle including heating element	MS IEC 60335-2-9,-2-12,-2-13, -2-15,-2-36 MS 1597-2-21,24,35
13	Kitchen Machine -Food mixer/blenders	MS IEC 60335-1, -2-14
14	Toasters / Oven	MS IEC 60335-1, -2-6, -2-9, -2-25

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No	Category Equipment	National Standard
15	Rice Cooker	MS IEC 60335-1, -2-15
16	Refrigerator	MS IEC 60335-1, MS 1597-2-24
17	Immersion Water Heater	MS IEC 60335-1, -2-73, -2-74
18	Water Heater – Storage / Instantaneous	MS IEC 60335-1 MS 1597-2-35, -2-21
19	Washing Machine	MS IEC 60335-1, -2-4, -2-11, -2-43 MS 1597-2-7, -2-5
20	Fan	MS IEC 60335-1, -2-31,-2-65,-2-98 MS 1597-2-80, MS 1220
21	Hand Operated – Hairdryer/Skin Care	MS IEC 60335-1, -2-23
22	Iron	MS IEC 60335-1, -2-3, -2-85
23	Shaver	MS IEC 60335-1, -2-8
24	Vaporiser - Mosquito mat / Aroma	MS IEC 60335-1, -2-101
25	Vacuum Cleaner	MS IEC 60335-1, -2-2
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CoA & Labeling		
No	Category Equipment	National Standard
26	Hi – Fidelity set	MS IEC 60065
27	Video & Visual Display Unit - TV	MS IEC 60065
28	Audio & Video Player Unit – VCD, DVD	MS IEC 60065
29	Massager (MS IEC 60335-1, -2-32
30	Air Conditioner <32,000 btu/hr	MS IEC 60335-1, MS I597-2-40
31	Christmas Light	MS IEC 60598-1, -2-20
32	Domestic Power Tools	MS IEC 60745-1, -2-1,-2-3,-2-4,-2-5,-2-7, -2- 11, -2-14, -2-15, -2-17 MS IEC 60335-1, -2-79, -2-28, -2-45
33	Adapter / Charger	MS IEC 60335-1, -2-29, -2-8 MS IEC 60950-1, 60065 MS IEC 61558-1, -2-6, -2-7, -2-17
34	Wires/Cables/Cords (0.5mm-35mm)	MS 2112-2, -3, -4

Suruhanjaya Tenaga Energy Commission Approved electrical appliances or equipment are required to be affixed with safety labels before being sold to public







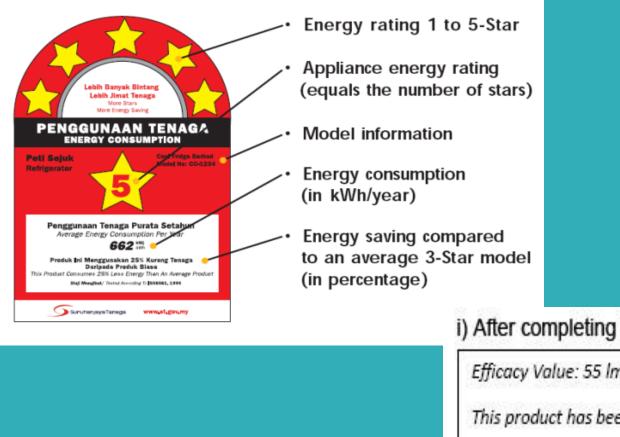


SIRIM CERTIFIED TO YY : XXXX CERTIFICATION NO:xxxxxxx SIRIM-ST Label Licensing Programme

SIRIM Certification Mark







i) After completing first 1,000 hours test

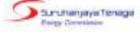
Efficacy Value: 55 lm/W



This product has been tested up to 1000 hours

ii) After completing 6,000 hours test

Efficacy Value: 55 lm/W

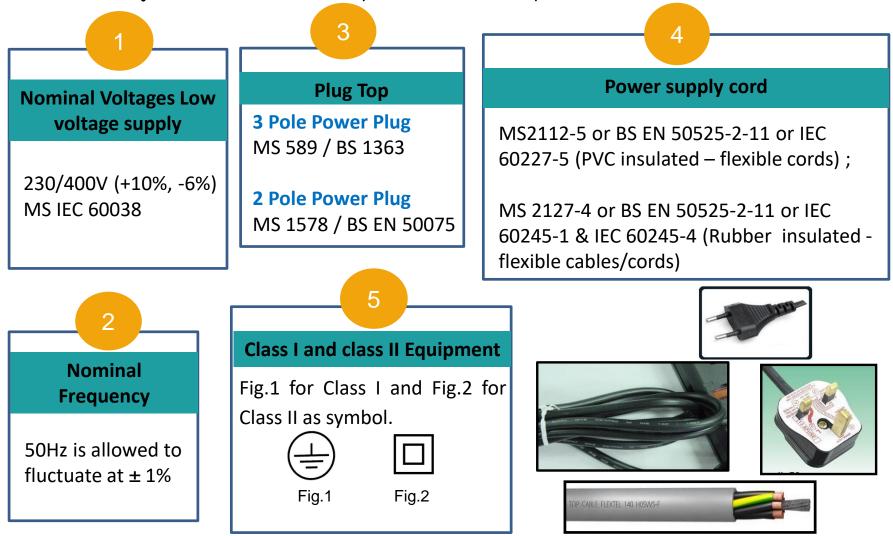


This product has been tested up to 6000 hours



REGULATORY REQUIREMENTS RELATED TO NATIONAL DIFFERENCES

shall be subjected to tests under tropical conditions as specified in the related standards

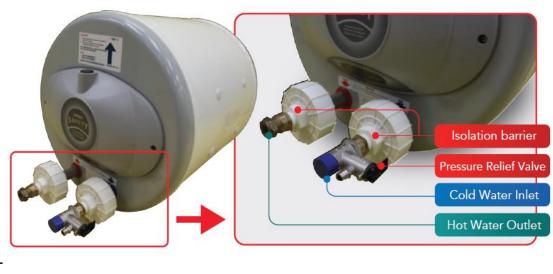


Isolation Barrier for Storage Water Heater

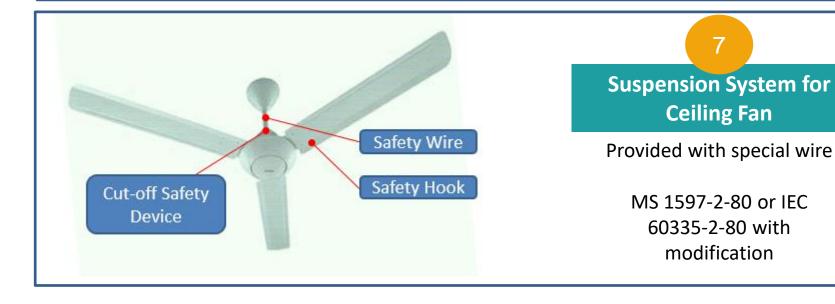
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Storage water heater shall be prefitted with isolation barriers at both water inlet and outlet connections

MS 1597-2-21:2015 or IEC 60335-2-21:2012 with modification



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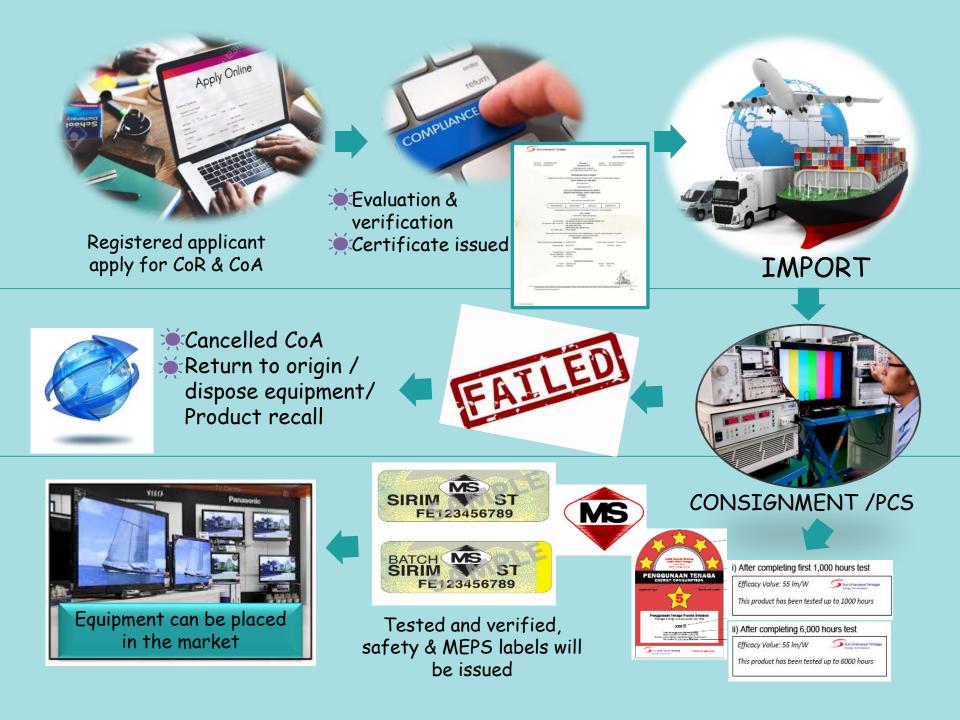


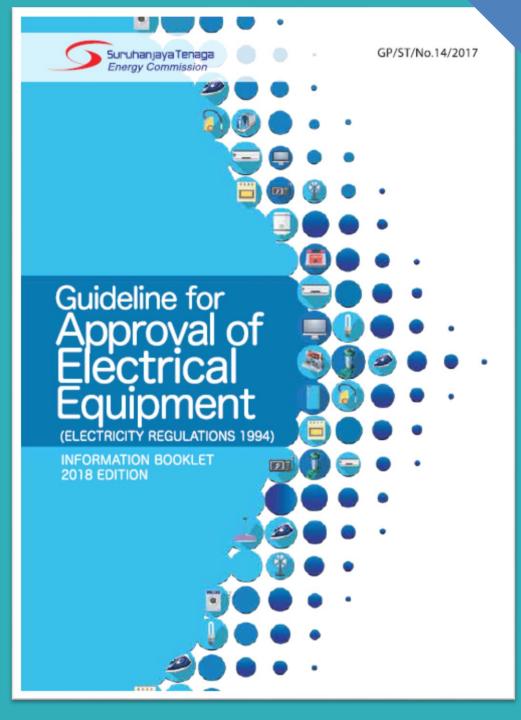


PROCESS FLOW FOR THE IMPORTATION/MANUFACTURING OF ELECTRICAL & ELECTRONIC EQUIPMENT









Guideline under section 50C, Electricity Supply Act 1990 [Act 447]



SOALAN-SOALAN LAZIM PERAKUAN KELULUSAN KELENGKAPAN ELEKTRIK



100 units Cordless Water Kettle

DISPOSAL ACTIVITY

CONSIGNMENT TEST FAILED



200 units Rice Cooker

CONSIGNMENT TEST FAILED





174 units of all type of equipment

DISPOSAL ACTIVITY

10 units Build-in oven



2017

Perakuan Kelulusan (CoA) dan Surat Pelepasan Untuk Kelengkapan Elektrik

Total Certificate of Approval (CoA) and Release Letter for Electrical Appliances











Pembatalan Perakuan Kelulusan (CoA) Untuk Kelengkapan Elektrik

Cancellation of Certificate of Approval (CoA) for Electrical Appliances

2017



146

Perakuan Kelulusan Dibatalkan CoA Cancelled

816

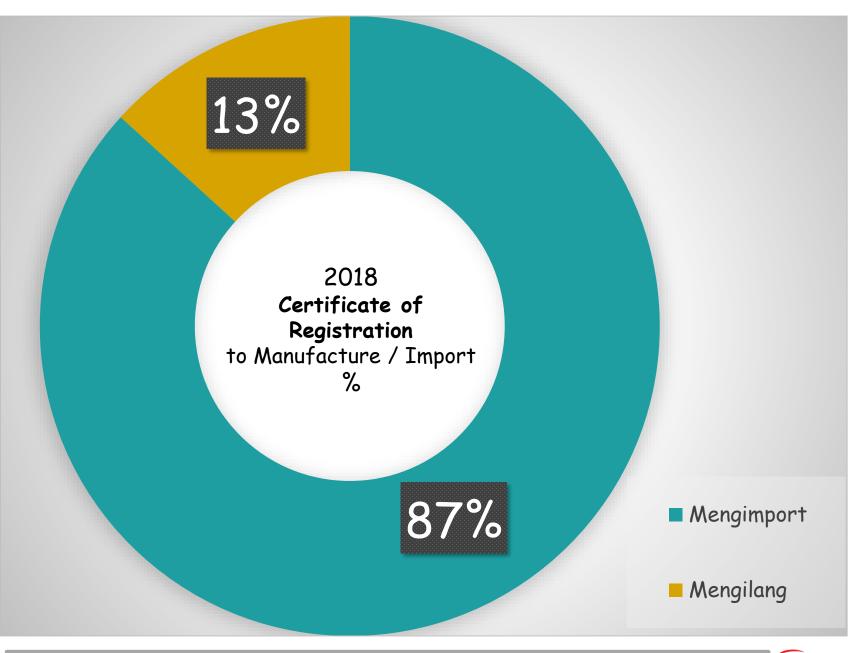
Pengimpot Yang Terlibat

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Sub-standard, counterfeit, unapproved electronic equipment or equipment with fake safety labels in the market may caused internal components overheated or harmful to users.





Enforcement Activities

HYBRID PRODUCT

- Household electrical products which are normally connected to power socket outlet have become hybrid products which can be remotely controlled or operated by itself. Such products may fall under electrical products, electronics products or communication products.
- Thus, the hybrid product need to get the approval from 2 (two) authorities.





Vacuum cleaner + electronic devices = remote control machine









Engagement Session

'ALAT PENJIMATAN TENAGA' Didapati Tidak Berkesan Untuk Menjimatkan Tenaga Elektrik Seperti Diiklankan



Adakah alat ini benar-benar boleh menjimatkan penggunaan tenaga elektrik tanpa pengguna perlu mengubah cara penggunaan tenaga elektrik?



Penggunaan ESD tidak membantu menjimatkan kos elektrik pengguna. Tambahan pula pengguna domestik tidak dikenakan apa-apa surcaj faktor kuasa rendah.





ELAK DARIPADA MEMBELI DAN MENGGUNAKAN

BANTAL PEMANAS ELEKTRIK

YANG TIDAK DILULUSKAN

Bantal pemanas elektrik dipasarkan sebagai pemanas bagi tujuan bertungku. Dipromosikan sebagai produk kesihatan, ia dijual secara meluas di pasaran dan melalui internet.







Regulation 122, electricity Regulations 1994

"Unless otherwise made an offence under the Act, the person who contravenes of fails to comply with any of the provisions of this Regulations shall be guilty of an offence and shall, on conviction, be liable to a fine not exceeding RM5,000 or to imprisonment for a term not exceeding 1 years or to both."

Suruhanjaya Tenag

Sec. 37(1), Electricity Supply Act 1990

"Any person who tempers with or adjusts any installation or part thereof or manufactures or importers 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, be liable to a fine not exceeding RM100,000 or to imprisonment for a term not exceeding 5 years or to both."

CONCLUSION



Compatible to supply system

Comply to standard

Tested by accredited laboratory

Labelled with SIRIM-ST's label

Labelled with MEPS's label







Thank You Electricity Safety Begin with you!