

ENFORCEMENT ACTIVITIES

UNDER ELECTRICITY SUPPLY ACT 1990 &
ELECTRICITY REGULATIONS 1994

*SEMINAR ON ELECTRICAL DESIGN, INSTALLATION & SAFETY FIRST FOR A LASTING
CABLE*

28TH AUGUST 2018
ENERGY COMMISSION



presentation

SCOPE

01

INTRO

02


ENFORCEMENT

03

OTHERS

04

CLOSING



ENFORCEMENT of laws relating to supply of **electricity**, and other related matters



LAWS OF MALAYSIA

Act 447

ELECTRICITY SUPPLY ACT 1990



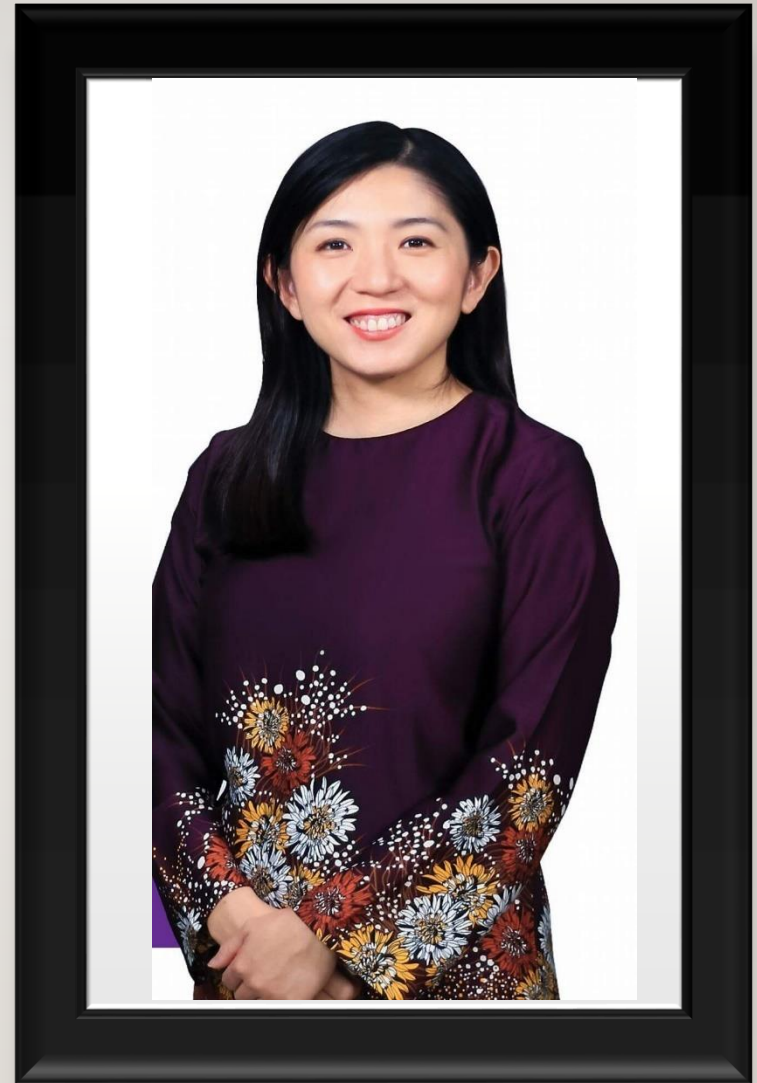
DELEGATION OF POWERS???

WHO?

AUTHORIZED OFFICER

(S. 4A, ESA 1990)

The Minister may in writing authorize any public officer or officer of the Commission to exercise the powers of enforcement under this Act.



ENFORCEMENT ACTIVITIES

ROUTINE INSPECTION/OPERATION

- ❖ Licensing
- ❖ Electrical Installation
- ❖ Competent person
- ❖ Electrical Contractor
- ❖ Electricity theft (meter tampering/illegal connection)
- ❖ Electrical appliances (domestic appliances/cables)
- ❖ Energy Manager
- ❖ Gas installation

The background consists of several overlapping triangles in various colors including red, orange, teal, purple, and blue. A horizontal yellow banner is positioned across the middle of the image, containing the word 'LICENSING' in bold black capital letters.

LICENSING

- (a) use, work or operate or permit to be used, worked or operated any installation; or
- (b) supply to or for the use of any other person electricity from any installation,

SECTION 9(1)



Exemption:

- 1) Generator below 5kW for personal use **[Electricity Supply (Exemption) Notification 1994: P.U. (B) 156]*
- 2) Solar installation $\leq 72\text{kW}$ for 3 ϕ and $\leq 24\text{kW}$ for 1 ϕ . **[Exemption Under Section 54: P.U.(B)342]*

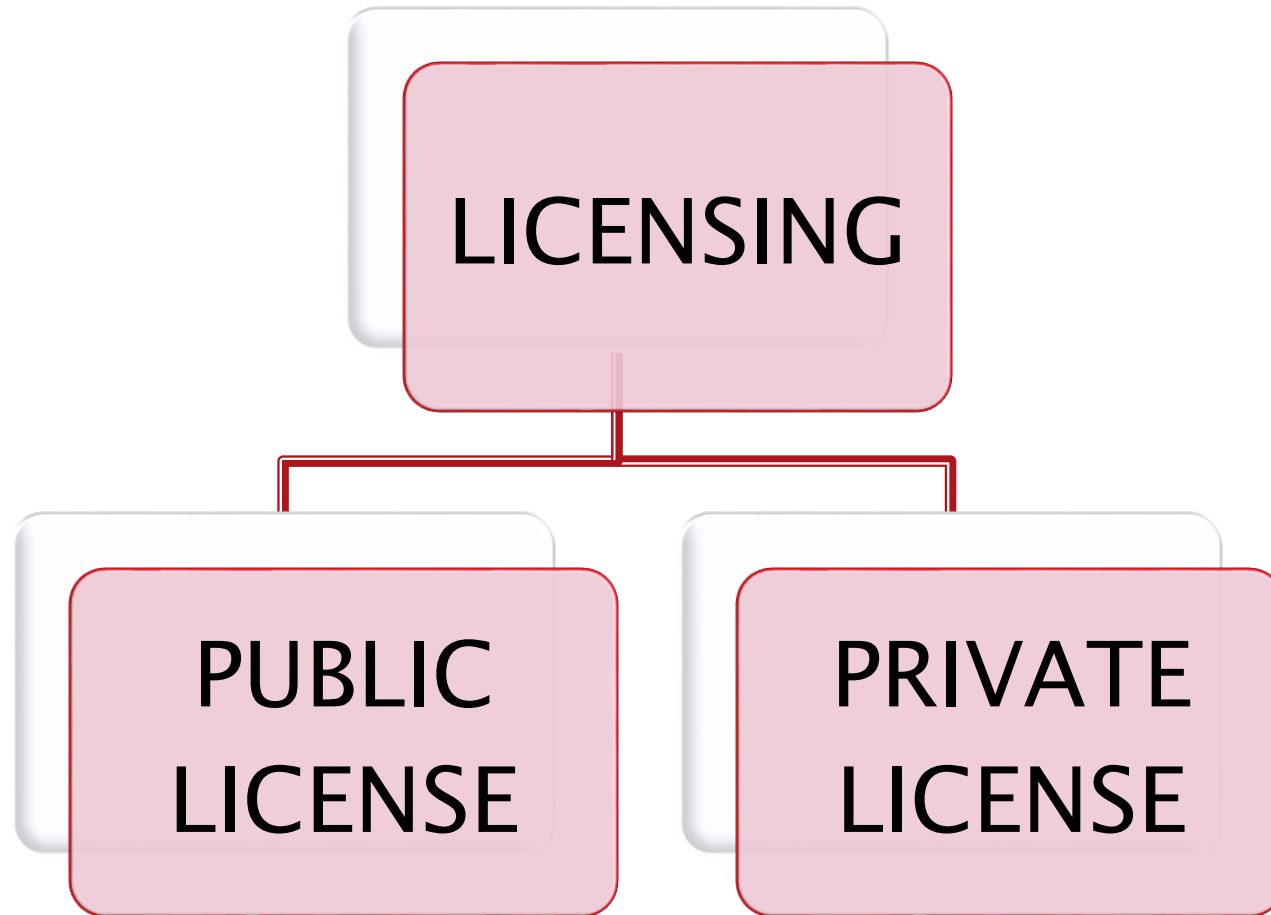
01

OFFENCE & PENALTY SECTION 37(5)



Fine < **RM100K**, and to a further fine < **RM1K** for every day or part of a day during which the offence continues after conviction

02



PUBLIC LICENSE



Distribution License

Shopping Mall

- KL Sentral
- Mid Valley

PRIVATE LICENSE



The background consists of several overlapping triangles in various colors: red, orange, teal, yellow, blue, and purple. A horizontal yellow banner is positioned across the middle of the image, containing the text. The overall style is modern and abstract.

REGISTRATION OF INSTALLATIONS

**REQUIREMENTS:
SECTION
21**

(1) No person shall possess or operate an installation, unless the installation is registered on a valid Certificate of Registration.

(2) Installations which are subject to this provision:

- receives energy from a licensee at a voltage of 11 kV or more;
or
- has a generator connected thereto for the purpose of providing stand-by energy

[Electricity Supply (Exemption) Notification 1994: P.U. (B) 156]

**Exemption for installation with public license*

[PU(B) 307/2012 Notification Exemption Under Section 54]

01

**OFFENCE
& PENALTY:
SECTION 37(8)**

Fine < **RM25K**, and to a further fine < **RM1K** for every day or part of a day during which the offence continues after conviction

02

The background consists of several overlapping triangles in various colors: red, orange, teal, yellow, blue, and purple. A horizontal yellow banner is positioned across the middle of the image, containing the text 'COMPETENCY CONTROL'.

COMPETENCY CONTROL

**REQUIREMENTS:
SECTION
23(1)**



No installation or electrical plant equipment other than those owned or managed by a supply authority shall be worked or operated except by or under the control of persons possessing such qualifications and holding such certificates

01

**OFFENCE
& PENALTY:
SECTION 23(2)**



Fine < **RM10K**, and to a further fine < **RM1K** for every day or part of a day during which the offence continues after conviction

02

COMMON OFFENCES RELATING TO COMPETENT PERSON



PPE1994	DETAILS
63(2A)	EXPIRED Certificate of Competency
63(3)	Registering Certificate of Competency with MORE THAN ONE EMPLOYER OR INSTALLATION , without the permission of ST.
63(7)	FAILURE of the owner, management or licensee TO REGISTER COMPETENT PERSON with ST
63(8)	FAILURE of the owner, management or licensee TO PREPARE DUTY LIST for competent person
68	FAILURE OF THE JPE/JEK/PE TO REPORT FINDINGS/RECOMMENDATION
70	FAILURE OF JPE/JEK/PE TO INFORM DEFECT OF THE INSTALLATION
111	Works done by a NON-COMPETENT PERSON/WITHOUT DIRECT SUPERVISION OF COMPETENT PERSON
112	Works carried out WITHOUT ADEQUATE SAFETY PRECAUTIONS
113	Failure to issue PTW

SUSPENSION/REVOCACTION OF CERTIFICATE OF COMPETENCY

The Commission may, after the conclusion of an enquiry under the Act, **SUSPEND** for such period as the Commission may decide or **REVOKE ABSOLUTELY** any Certificate of Competency issued under these Regulations.

[R. 59, PPE1994]



ELECTRICAL CONTRACTOR

INSPECTION AT THE CONSTRUCTION SITE

COMPETENT
CONTROL
[r. 12 PPE]

ELECTRICAL
APPLIANCES
WITH SIRIM-
ST LABEL
[r. 98 PPE]

REGISTRATION
OF ELECTRICAL
CONTRACTOR
[r. 75 PPE]

RCD
INSTALLATION
[r. 36 PPE]

LICENSE FOR
GENERATOR
SET
[S.9 ABE]

SITE
SAFETY

APPROVAL
FROM LICENSEE
[r. 11 PPE]



PROTECTION AGAINST EARTH LEAKAGE CURRENT

Requirements For the Use of Residual Current Circuit Breakers (Sensitivity) Based on Regulation 36, Electricity Regulations 1994

No.	Installation Type	Residual Current Device Sensitivity (Maximum)	Requirement
1.	Overall Wiring (Single Phase or Three Phase)	100mA (0.1A)	Mandatory
2.	Final Circuit for Power (13A socket outlets)	30mA (0.03A)	Mandatory
3.	Wet places (toilets and wet kitchens) /Water heater circuits	10mA (0.01A)	Mandatory

[REFER: Guidelines For Electrical Wiring In Residential Buildings]



ELECTRICITY THEFT

SECTION 37(1)

Any person who tampers with or adjusts any installation or part thereof or 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...

on conviction, be liable to a fine not exceeding **one million ringgit** or to imprisonment for a term not exceeding **ten years** or to both.

SECTION 37(3)

- (3) Any person who in any manner dishonestly—
- a) abstracts electricity;
 - b) consumes electricity;
 - c) uses electricity;
 - d) alters the index of any meter or other instrument used on or in connection with any installation of any supply authority or any licensed installation for recording the output or consumption of electricity; or
 - e) prevents any such meter or instrument from duly recording the output or consumption of electricity,

Domestic consumer

First Offence

fine of not less than **RM 1,000-00** and not exceeding **RM 50,000-00** or to imprisonment for a term not exceeding 1 year or to both

Second and subsequent offence

fine of not less than **RM 5,000-00**, and not exceeding **RM 100,000-00** or to imprisonment for a term not exceeding 3 years or to both

Non-domestic consumer

First Offence

fine of not less than **RM 20,000-00** and not exceeding **RM 1,000,000-00** or to imprisonment for a term not exceeding 5 years or to both

Second and subsequent offence

fine of not less than **RM 100,000-00** and not exceeding **RM 5,000,000-00** or to imprisonment for a term not exceeding 10 years or to both

SECTION 37 (14)

Any person who damages any meter or other instrument used on or in connection with any licensed installation, for recording the output or consumption of electricity shall be guilty of an offence and shall, on conviction, be liable to a fine not exceeding fifty thousand ringgit or to imprisonment for a term not exceeding two years or to both




ELECTRICAL APPLIANCES

ELECTRICAL APPLIANCES

- 1) 34 categories of electrical appliances are currently being regulated by ST.
- 2) Requirements to obtain CoA (reg.97, PPE1994) and SIRIM-ST label (reg. 98, PPE1994)
- 3) General penalty under reg. 122, PPE1994: Fine not exceeding RM 5, 000-00 or imprisonment not exceeding 1 year or both.


WIRE/CABLE/CORD ARE ONE OF THE ITEMS REGULATED UNDER ST

34	WIRE / CABLE/ CORD (non- armoured) 0.5mm ² to 35mm ²	<ul style="list-style-type: none"> • is unscreened and flexible ; • is designed for use at low voltage ; • consists of two or three elastomer or PVC insulated cores of multistrand construction ; • has a cross-sectional area of each conductor from 0.5mm² not exceeding 35mm² 	Polyvinyl chloride (PVC) Insulated flexible cord and cable	MS 2112-5:2009	BS EN 50525-2-11:2011 or IEC 60227-5:2011
			Rubber insulated cord and flexible cables	MS 140:1987 or MS 2127-4	BS EN 50525-2-11-2011 IEC 60245-1:2008 IEC 60245-4:2011
			PVC-insulated cable (non-armoured) for electric power and supply: - non-sheathed	MS 2112-3:2009	IEC 60227-3:1997
			PVC-insulated cable (non-armoured) for electric power and supply: - sheathed	MS 2112-4:2009	IEC 60227-4:1997



REGULATED ELECTRICAL EQUIPMENT THAT REQUIRES CERTIFICATE OF APPROVAL (COA)

TO MANUFACTURE, IMPORT, DISPLAY, SELL OR ADVERTISE

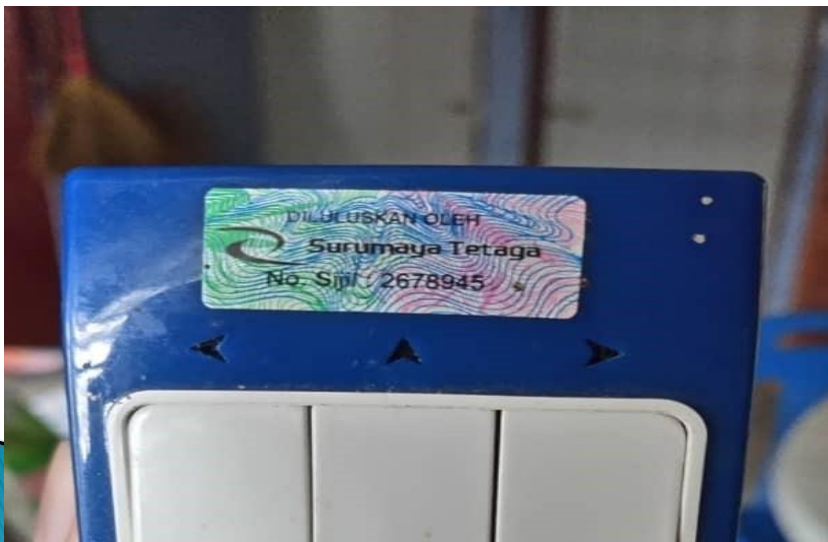


www.st.gov.my

PLEASE USE & BUY ELECTRICAL APPLIANCES WITH SIRIM-ST LABEL ONLY



**THE REAL ONE, NOT A FAKE
LIKE THIS...**




**SURUMAYA
TETAGA???**

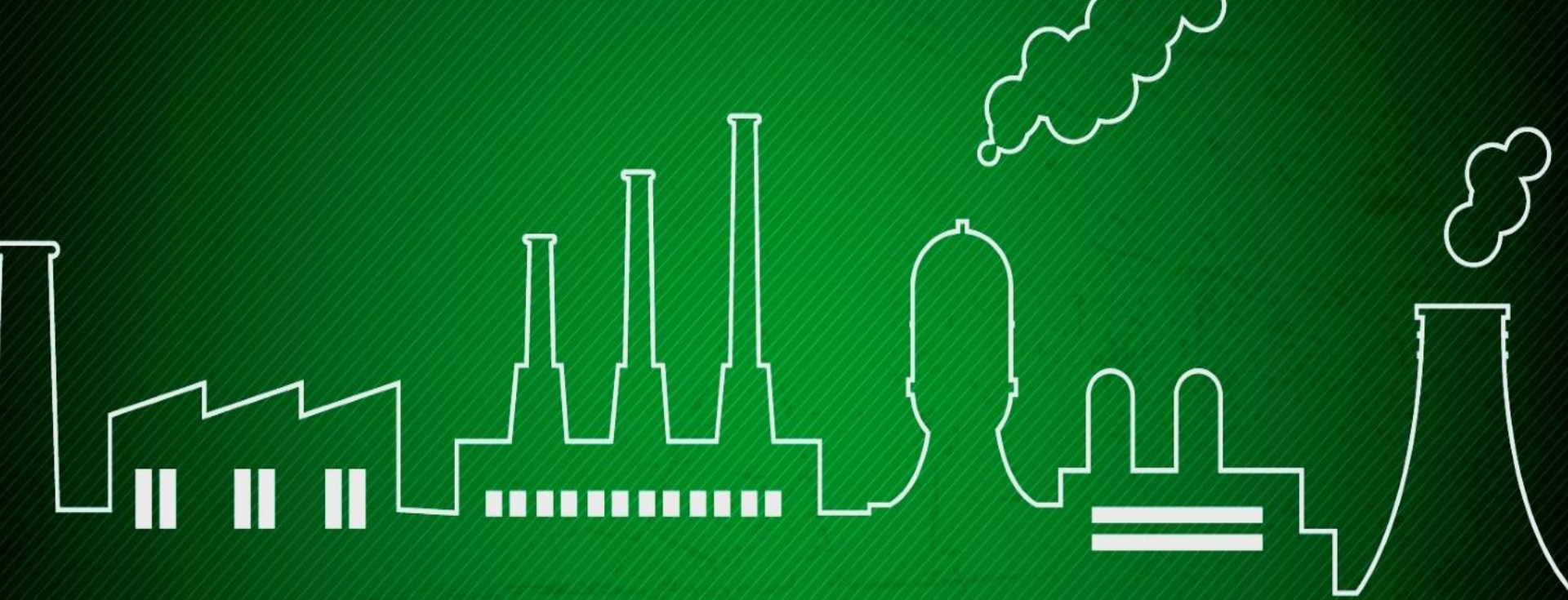




ELECTRICAL ENERGY MANAGER

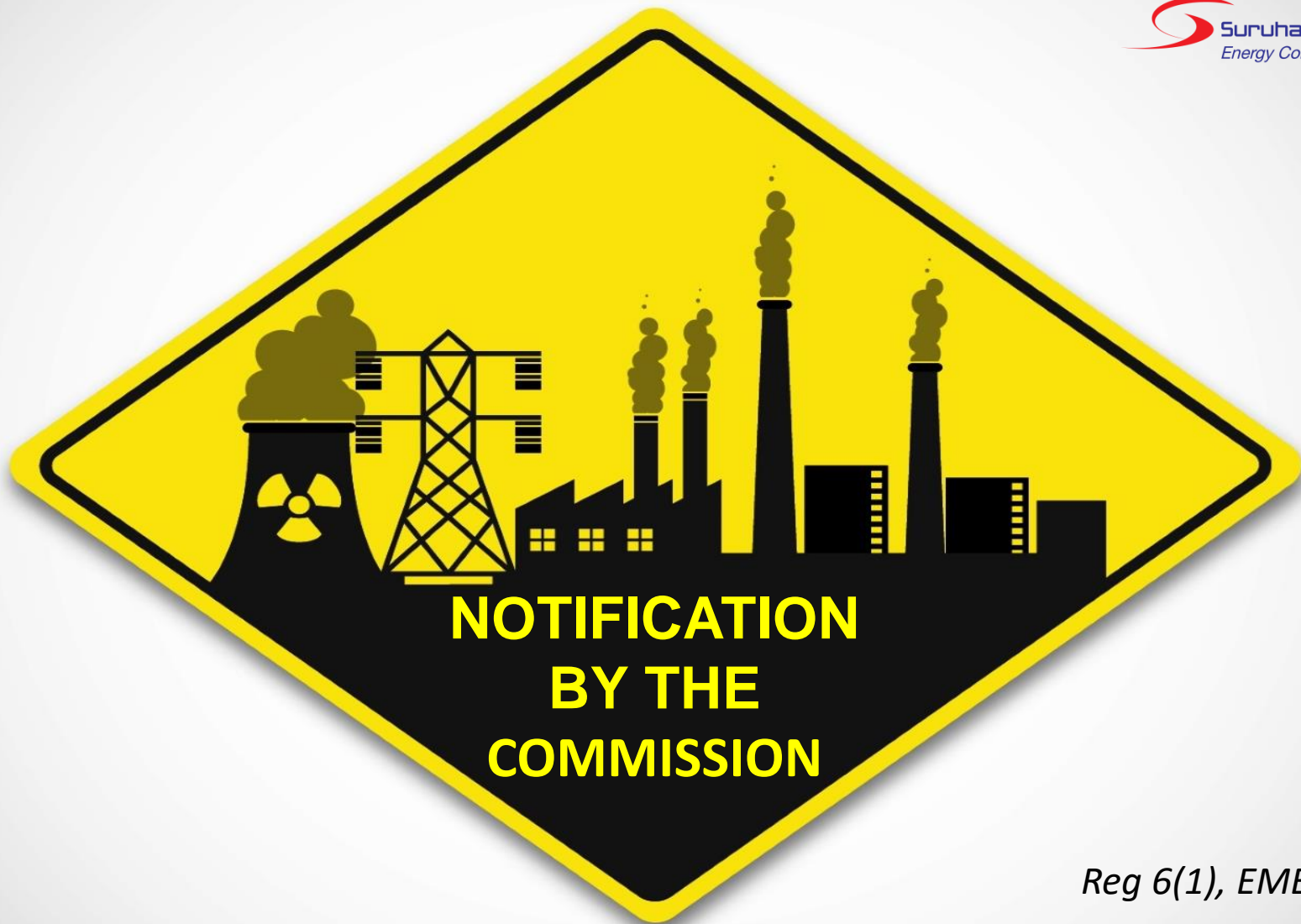


**EFFICIENT
MANAGEMENT
OF
ELECTRICAL
ENERGY
REGULATIONS
2008**



ONLY APPLICABLE TO INSTALLATION...

whose total electrical energy consumption over any period not exceeding **six consecutive months** equals to or exceeds **3,000,000 kWh**



Reg 6(1), EMEER 2008

The Commission may, at any time by written notice, direct any private installation licensee or consumer to appoint or designate a registered electrical energy manager

GENERAL PENALTY

(Reg 22, EMEER 2008)



Any person who commits an offence under these Regulations shall, on conviction, be liable to a fine not exceeding **five thousand ringgit or to imprisonment for a term not exceeding **one year** or to both.**



Thanks!





E-Aduan **via www.st.gov.my**

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