



Presentation title:

Minimum Energy Performance Standards In Malaysia

Stream Name: Session number

Name of presenter

Location and date

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52,233 GWH (8.0%) savings

NATIONAL ENERGY EFFICIENCY ACTION PLAN (NEEAP) 2016-2025



Strategic Thrust 1 :
Implementation of Energy Efficiency Plan



Strategic Thrust 2 :
Strengthen Institutional Framework, Capacity Development & Training for Implementation of EE Initiatives



Strategic Thrust 3 :
Establishment of Sustainable Funding Mechanisms To Implement Energy Efficiency Initiatives



Strategic Thrust 4 :
Promotion of Private Sector Investment in Energy Efficiency Initiatives

NEEAP KEY INITIATIVES

Equipment Programme Initiative

1. Promotion of 5-Star Rated Appliances
2. Minimum Energy Performance Standards (MEPS)

Industrial Programme Initiative

1. Energy Audits & Energy Management in Industries
2. Promotion of Co-generation

Buildings Programme Initiative

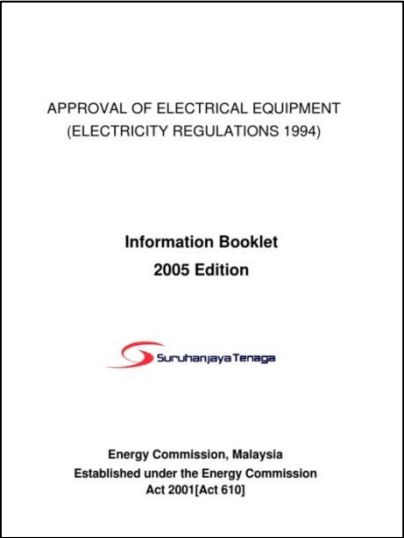
1. Energy Audits & Energy Management in Buildings
2. Energy Efficient Building Design

Regulation Amendment

Implementation

Rating Label

On 3rd May 2014, the amendment to the Electricity Regulations 1994 was gazetted and known as the Electricity (Amendment) Regulations 2013.



It incorporates the standards and requirements for the implementation and enforcement of the Minimum Energy Performance Standards for 5 domestic electrical equipment that are:

- Refrigerator
- Air-Conditioner
- Television
- Domestic Fans; and
- Lighting (Fluorescent, CFL, LED and Incandescent).



It also makes it mandatory for 5 of these equipments to be affixed with an energy rating label or known as star rating label while for lighting, the efficacy value is required to be shown on the cover or box.

The mechanism of approval is through the issuance of the Certificate of Approval (COA) issued by Energy Commission.



No.	Regulatory Agency	Act	Products/Scheme
1.	Energy Commission	<input type="checkbox"/> Electricity Supply Act 1990 [Act 447]	<ul style="list-style-type: none"> • 34 categories of controlled goods for E&E equipment • MEPS (Minimum Energy Performance Standards): <ol style="list-style-type: none"> i. Refrigerator ii. Air Conditioner iii. Television iv. Domestic Fan v. Lighting
2.	Malaysian Communications and Multimedia Commission	<input type="checkbox"/> Malaysian Communications and Multimedia Commission Act (1998) <input type="checkbox"/> Communications and Multimedia Act (1998) <input type="checkbox"/> Strategic Trade Act (2010)	<ul style="list-style-type: none"> • Information Technology equipment. • voltages and frequency for AC transmission and distribution systems. • plugs, socket-outlets, adaptors and connection units. • flexible cords and cables.
3.	The Fire and Rescue Department of Malaysia	<input type="checkbox"/> Uniform Building By-Laws 1984	<ul style="list-style-type: none"> • Cable Trunking and Cable Ducting Systems • Electrical cables under fire conditions
4.	Ministry of Domestic Trade, Co-operatives and Consumerism	<input type="checkbox"/> Consumer Protection Act 1999 [Act 599]	<ul style="list-style-type: none"> • Electrical Toys

Enforcement of 5 MS Standards for MEPS

NUMBER	TITLE
MS 2595:2014	MEPS for Refrigerator
MS 2597:2014	MEPS for Air Conditioners
MS 2576:2014	MEPS for Television
MS 2574:2014	MEPS for Domestic Fan
MS 2598:2014	MEPS for Lamps



MALAYSIAN STANDARD MS 2598:2014

Minimum energy performance standards (MEPS) for lamps

ICS: 29.140.99
Description: minimum energy performance standard (MEPS) for lamps

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MALAYSIAN STANDARD MS 2597:2014

Minimum energy performance standards (MEPS) for air conditioners

ICS: 91.140.30
Description: minimum energy performance standard (MEPS) for air conditioners

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MALAYSIAN STANDARD MS 2595:2014

Minimum energy performance standards (MEPS) for refrigerator

ICS: 97.040.30
Description: minimum energy performance standard (MEPS) for refrigerator

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MALAYSIAN STANDARD MS 2576:2014

Minimum energy performance standards (MEPS) for television

ICS: 97.200
Description: minimum energy performance standard (MEPS) for television

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MALAYSIAN STANDARD MS 2574:2014

Minimum energy performance standards (MEPS) for domestic fan

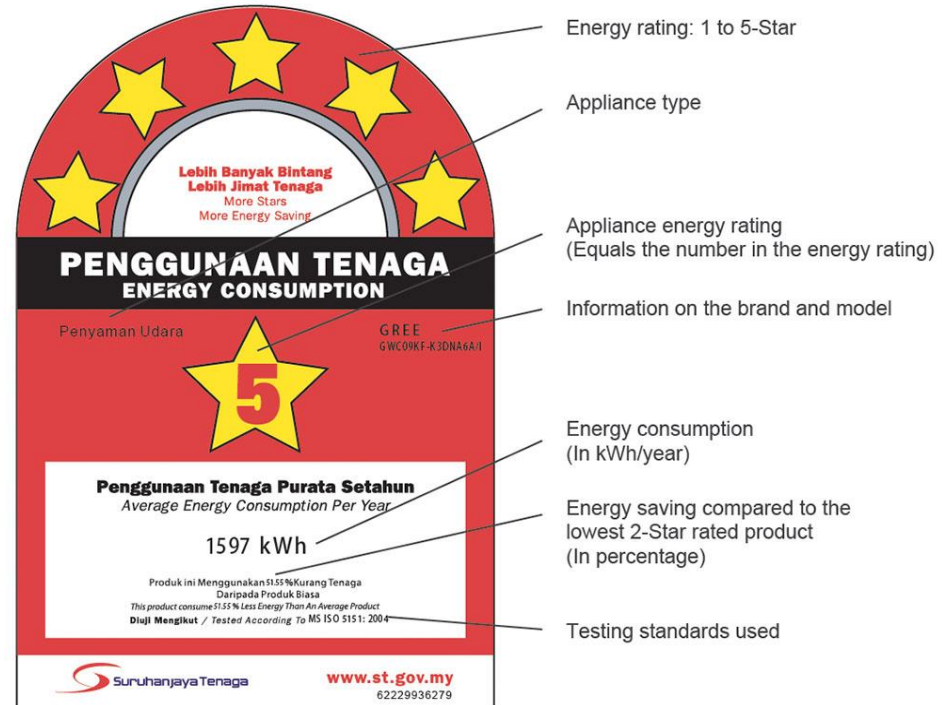
ICS: 97.620
Description: minimum energy performance standard (MEPS) for domestic fan

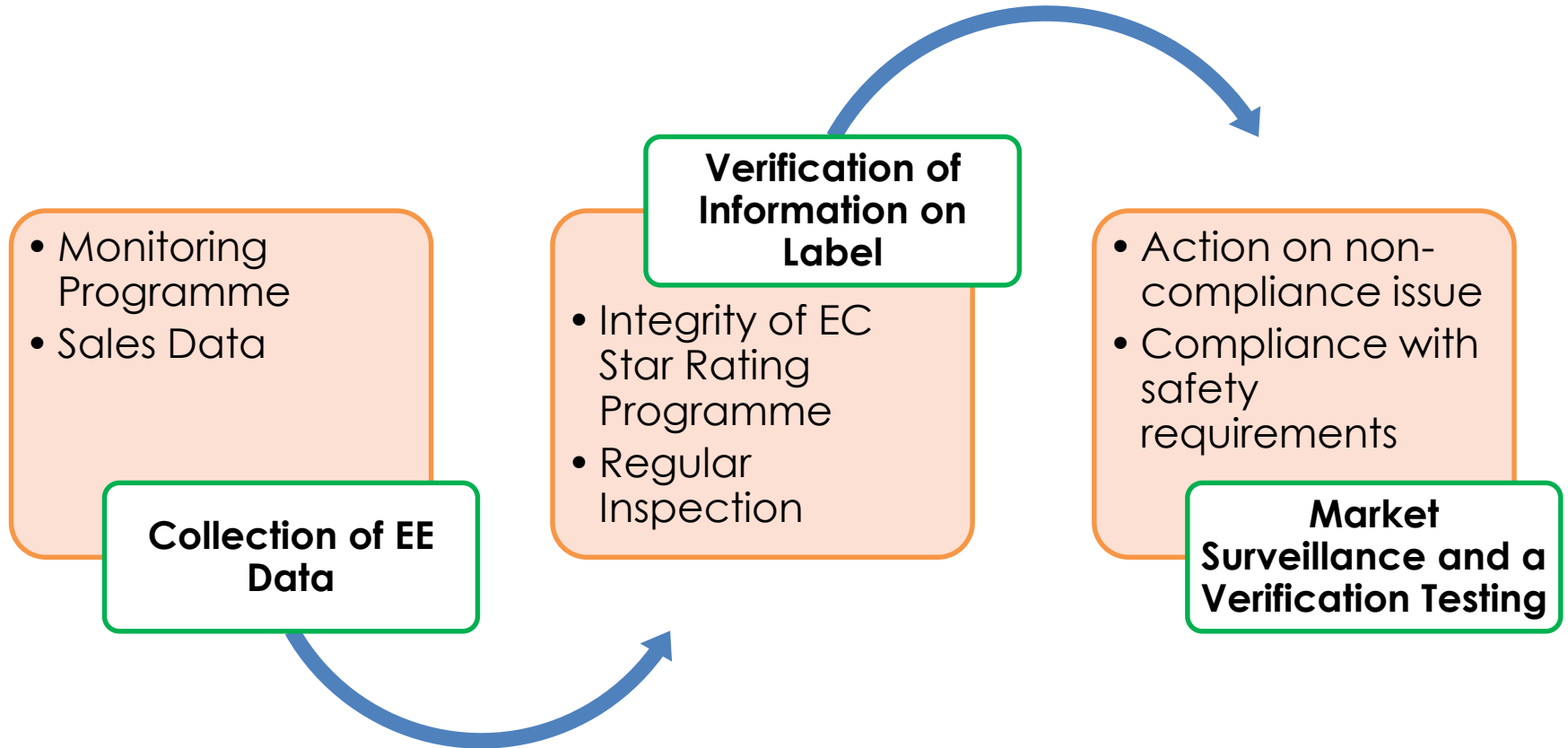
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ELECTRICITY SUPPLY ACT 1990 ELECTRICITY (AMENDMENT) REGULATIONS 2013

Sub-Regulation 101A. (3)

Any equipment that meets all the requirements of efficient use of electricity under sub regulation (1) shall be affixed with an efficiency rating label in such form and manner as may be determined by the Commission.





- To create MEPS for more domestic appliances such rice cooker, water heater, iron and etc.
- To create a local standards for MEPS (Approved by Department of Standards Malaysia).
 - Members of the Technical and Working Group comprises of Industry Players, Manufacturers, Importers, Retailers, Government Agencies & Associations
- To have a continuous promotion program with the cooperation and assistance of Industry Players.
- To propose on a new form of incentives for purchase of EE home appliances (HER Report).
- To increase the enforcement activity with the assistance of Customs Malaysia and the Ministry of Domestic Trade, Co-operatives and Consumerism.



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