



LEBELING PROGRAM

**Văn phòng Tiết kiệm năng lượng
Energy Efficiency and Conservation Office**

LABELING ROADMAP

, Jan 2013

*Người trình bày: **Đặng Hải Dũng**
Ministry of Industry and Trade*



**Văn phòng Tiết kiệm năng lượng
Energy Efficiency and Conservation Office**



LEGAL FRAMEWORK



- Law on Energy Saving and Efficiency on 05/17/2006
- Decision 51/2011/QĐ-TTg List of Mandatory labeling equipment, MEPS and Roadmap
- Decision 03/2011/QĐ-TTg List of Mandatory labeling equipment, MEPS and Roadmap (adjust timeline of Roadmap)
- Decree 73/2011/NĐ-CP regulation on Penalty in Energy Efficiency and Conservation.
- Decree 21/2011/ND-CP on 29 / 3 / 2011
- Decision 68/2011/QĐ-TTg state procurement regulation vs product labeling energy efficient.



SCOPE & OBJECTIVES OF PROGRAM



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Objects of the labeling program

- Large energy consumption Product;
- The product is widely used for living purposes, in the office, in business or production is expected to increase the amount of use.
- Important Products for consumers.
- Product employ new energy-saving technologies on the market.
- Labeling for a product can make a significant change in energy efficiency by repeating EE technology in the various products



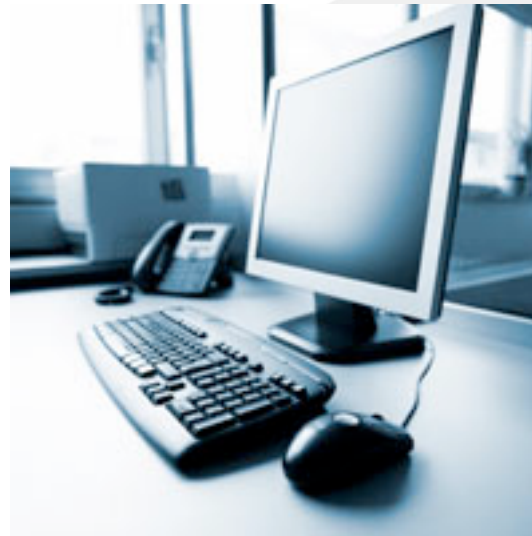
Objects of the labeling program

1. Group appliances including straight fluorescent tubes, compact fluorescent lamps, electronic ballasts and electronic fluorescent lamp, **air conditioning machines**, **refrigerators**, **washing machines**, **electric cooker** , electric fans, **televisions**.



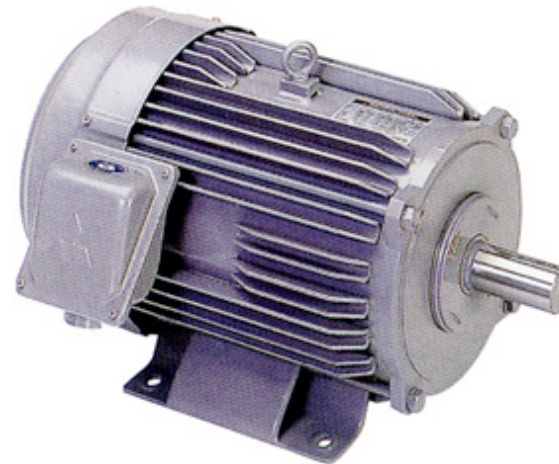
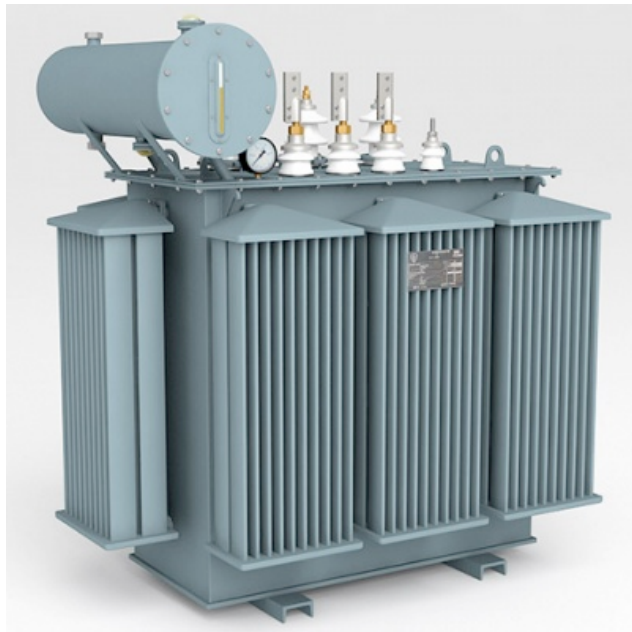
Objects of the labeling program

2. Group of office equipment and commercial including photocopying copy, computer monitors, printers, commercial refrigeration cabinets.



Objects of the labeling program

3. Group industrial equipment including machine
threephase distribution transformers, electric motors.



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Objects of the labeling program

4. Group means of transport including cars (of 7 seats or less).
5. The specialized equipment such as public lighting, machine air conditioners with a capacity greater than 28 kW water-cooled equipment and other required labeling route and apply the maximum energy efficiency minimum prescribed by the Ministry of Industry and Trade.



Roadmap

List	2011	2012	2013	2014	2015
1. Home appliances: Flourescent lamp, compact lamp (CFL), High Efficient Balast và and Electronic Balast, Airconditioner, refreeerator , Washing machine, Rice cooker, Electric Fan.			TV,REF,WSH		MEPS
2. Office equipment and commercial equipment: Photocopy machine, Display equipment, commercial freezers.	Comm. Ref.	Comm. Ref.	Comm. Ref.		MEPS
3. Industrial equipment: distribution transformer, Motor.					MEPS
4. Transportation means: car with less 7 seats					
5. Others	KK	KK	KK	KK	KK



Energy Labeling Program

MOIT

- Host S&L
- Market surveillance
- Monitoring S&L
- Grading stars
- Database
- Sanction
- Awareness

MOST

- Develop standards
- MEPS
- Testing Labs

Local Gov.

- Market surveillance
- Sanction

MOF

- Custom office
- Incentives



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Testing Labs

- Quality Assurance and Testing Centre 1
- Quality Assurance and Testing Centre 3
- Ho Chi Minh Standard Metrology and Quality Center
- KOREA TESTING LABORATORY
- Intertek Thailand
- Quality Assurance and Testing Centre 2
- Quang Ninh Standard Metrology and Quality Center



S&L Result in 2012

- straight fluorescent tubes, compact fluorescent lamps, 46 models reg.
- ballasts, 10 models reg.
- air conditioning, 112 models reg.
- refrigerators, 110 models
- washing machines, 84 models
- electric cooker , 52 models
- electric fans, 272 models



Energy efficiency standards

TT	Số hiệu TCVN	Tên tiêu chuẩn	Title
1	TCVN 7450-1:2005	Động cơ điện không đồng bộ ba pha roto lồng sóc hiệu suất cao – Phần 1: Mức hiệu suất năng lượng tối thiểu	High efficiency three-phase asynchronous squirrel cage electrical motors – Part 1: Minimum energy performance
2	TCVN 7450-2:2005	Động cơ điện không đồng bộ ba pha roto lồng sóc hiệu suất cao – Phần 2: Phương pháp xác định hiệu suất năng lượng	High efficiency three-phase asynchronous squirrel cage electrical motors – Part 2: Methods for determination of performance
3	TCVN 7541-1:2005	Thiết bị chiếu sáng hiệu suất cao – Phần 1: Mức hiệu suất năng lượng tối thiểu	High efficiency lighting products – Part 1: Minimum energy performance
4	TCVN 7541-2:2005	Thiết bị chiếu sáng hiệu suất cao – Phần 2: Phương pháp xác định hiệu suất năng lượng	High efficiency lighting products – Part 2: Methods for determination of energy performance
5	TCVN 7826:2007	Quạt điện – Hiệu suất năng lượng	Electric fans – Energy efficiency ratio
6	TCVN 7827:2007	Quạt điện – Phương pháp xác định hiệu suất năng lượng	Electric fans – Methods for determination of energy efficiency
7	TCVN 7828:2007	Tủ lạnh, tủ kết đông lạnh – Hiệu suất năng lượng	Refrigerator, refrigerator-freezer – Energy efficiency ratio
8	TCVN 7829:2007	Tủ lạnh, tủ kết đông lạnh – Phương pháp xác định hiệu suất năng lượng	Refrigerator, refrigerator-freezer – Methods for determination of energy efficiency
9	TCVN 7830:2007	Điều hòa không khí – Hiệu suất năng lượng	Air conditioners – Energy efficiency ratio
10	TCVN 7831:2007	Điều hòa không khí – Phương pháp xác định hiệu suất năng lượng	Air conditioners – Methods for determination of energy efficiency
11	TCVN 7896:2008	Bóng đèn huỳnh quang compact – Hiệu suất năng lượng	Compact fluorescent lamps – Energy efficiency
12	TCVN 7897:2008	Balat điện tử dùng cho bóng đèn huỳnh quang – Hiệu suất năng lượng	Electronic ballasts for fluorescent lamps – Energy efficiency
13	TCVN 7898:2009	Bình đun nước nóng có dự trữ – Hiệu suất năng lượng	Storage water heaters – Energy efficiency



Energy efficiency standards

14	TCVN 8248:2009	Electromagnetic Ballasts – Energy Efficiency	published
15	TCVN 8249:2009	Tubular Fluorescent Lamps – Energy Efficiency	published
16	TCVN 8252:2009	Electric rice cookers – Energy efficiency	published
17	TCVN 8251:2009	Water heater using solar energy	published
18	TCVN 8250:2009	High pressure sodium lamps – Energy efficiency	published
19	TCVN 7451-1: 2009	TCVN 7451-1 revised	published
20	TCVN 8525:2010	Distribution transformer – Minimum energy performance and method of determination	published
21	TCVN 8526:2010	Electrical washing machine – Minimum energy performance and method of determination	published
22	TCVN 8781:2011	LED modules for general lighting – Safety specifications	published
23	TCVN 8782:2011	Self-ballasted LED-lamps for general lighting services by voltage >50 V – Safety specifications	published
24	TCVN 8783:2011	Self-ballasted LED-lamps for general lighting services – Performance requirements	published
25	TCVN 9508:2012	Monitor, energy performance	published
26	TCVN 9509:2012	Printer - energy performance and method of determination	published
27	TCVN 9510 : 2012	Photocopy - energy performance and method of determination	published
28	TCVN 9536 : 2012	Television energy performance	published
29	TCVN 9537 : 2012	Television energy performance method of determination	published



Thank for your attention



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