



PHILIPPINES: STATUS REPORT ON THE DEVELOPMENT OF THE MVE PROGRAM

Ronald O. Tahanlangit

Senior Science Research Specialist

Lighting and Appliance Testing Laboratory

Department of Energy



Australian Government



Presentation Outline

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- ❖ INTRODUCTION
- ❖ CURRENT STATUS OF MVE OF ENERGY STANDARDS AND LABELING REQUIREMENTS
- ❖ DRAFT GUIDE MANUAL FOR IMPLEMENTING MVE

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INTRODUCTION

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- ❖ **The European Commission, under the Switch-Asia Policy Support Component in the Philippines, provided assistance to DOE for the strengthening of MVE scheme for ES&L program in the Philippines.**

- ❖ **Main features of ES&L program**
 - ❖ **Energy Label**
 - ❖ **MEPs**

- ❖ **Lighting products covered by the ES&L program**
 - ❖ **Electromagnetic ballasts – no MEPs**
 - ❖ **Electronic ballasts – no MEPs**
 - ❖ **Self-ballasted compact fluorescent lamps – with MEPs**
 - ❖ **Double-capped fluorescent lamps – with MEPs**
 - ❖ **Single-capped fluorescent lamps – no MEPs**

CURRENT STATUS OF MVE OF ENERGY STANDARDS AND LABELING REQUIREMENTS

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- ❖ Spot market monitoring shows some labels had incorrect or inaccurate information due mostly to errors in the computation of energy efficiency.
- ❖ No market sampling for testing to verify the veracity of claimed energy efficiency.
- ❖ Some items had claimed energy performance ratings below the MEPS set for the product.

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1. **Scope**
2. **Definition of Terms**
3. **Monitoring**
4. **Criteria for Compliance**
5. **Issuances**
6. **Verification**
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❖ Scope

This manual contains guidelines for the MVE pertaining to energy labelling of the following products:

1. Electromagnetic ballast
2. Electronic ballast
3. Self-ballasted compact fluorescent lamps (CFLs)
4. Linear fluorescent lamps (LFLs)
5. Circular fluorescent lamps (FCLs)

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❖ Definition of Terms

- ❖ BPS - Bureau of Philippine Standards
- ❖ CFL - Compact Fluorescent Lamp or a lamp where the ballast is already part of it.
- ❖ FCL - Circular Fluorescent Lamp a single cap for operation on external circuits with either an internal or external means of starting.
- ❖ LFL - Linear Fluorescent Lamp also means double-capped fluorescent lamp or a lamp having two separate caps and mostly of tubular form and linear shape.
- ❖ Control Number Series – a set of numbers approved on a particular model of lighting product that is printed on the energy label

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❖ Monitoring

❖ Monitoring team/schedule

- ❖ The monitoring team shall be composed of two to five personnel.
- ❖ Market monitoring conducted at least once a year.

❖ Monitoring Report

- ❖ A summary report of the results of monitoring shall be prepared by the Head of the team which shall be submitted to the DTI Regional Office for consolidation as a Regional Report and in turn will be submitted to the DTI-BPS cc: DOE-ERTLS

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❖ **Criteria for compliance**

- ❖ All lighting products covered by the program shall have appropriate energy labels with the correct information.
- ❖ Shall bear the PS or ICC mark and control number.

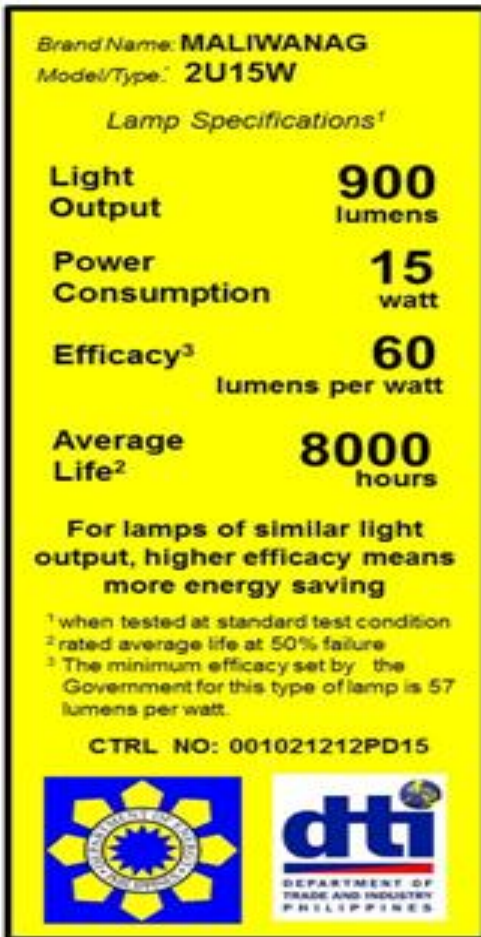
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❖ Sample of Energy Label

❖ Individual Compact fluorescent lamp shall be attached with an energy label containing the information shown in the sample below:

- **Lighting Output** – total amount of light produced by the source
- **Power Consumption** - total amount of electricity consumed by the lamp
- **Efficacy**- indicates the efficiency in which power consumption is converted into light
- **Average Life** – Expected median value of life expectancy of lamps affected by burn cycle



SAMPLE ENERGY LABEL FOR COMPACT FLUORESCENT LAMPS (CFLs)

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❖ Issuances

- ❖ The issuance and documents relevant to MVE for the mandatory products for;
 - ❖ Compact Fluorescent Lamp
 - ❖ Circular Fluorescent Lamp
 - ❖ Linear Fluorescent Lamp
 - ❖ Electromagnetic ballast
 - ❖ Electronic ballast

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❖ Verification

❖ **Sampling methodology and procedure**

- ❖ To verify compliance with the claimed efficiency rating or burning hours, etc. random samples of product per brand shall be drawn by the monitoring team every year.
- ❖ The number of samples to be taken shall be in accordance with the quantity stated in the Implementing Guidelines issued for said product as follows:
 - ❖ Compact fluorescent lamps - 25 samples of the basic model
 - ❖ Double-capped fluorescent lamps - 12 samples of the basic model
 - ❖ Single-capped fluorescent lamps - 12 samples of the basic model
 - ❖ Electronic ballast - 6 samples of the basic model
 - ❖ Electromagnetic ballast - 6 samples of the basic model

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- ❖ **Arrangement for replacing samples taken from the store**
 - ❖ The manufacturer or importer from whom the item originated shall replace items taken from the store by the monitoring team.

- ❖ **Test methods and procedures**
 - ❖ Test methods and procedures shall be in accordance with the applicable standard for the product.

- ❖ **Test reports**
 - ❖ Test reports on energy testing generated by recognized testing laboratories shall contain the minimum information required to adequately evaluate compliance.

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❖ Enforcement

- ❖ DTI Department Order No. 48 series of 2008 and DTI DAO 2: 2007 shall govern enforcement activities on energy labeling of the subject seven products.
- ❖ Penalty provisions in E.O. 913, RA 7394, and DAO 2: 2007 shall be applied against violators of the energy standards and labeling requirements.

Thank you

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