

**[ BPS DTI AND DOE JOINT CIRCULAR NO. 11-01,  
January 21, 2011 ]**

**REVISED IMPLEMENTING GUIDELINES FOR THE STANDARD ON  
ENERGY EFFICIENCY RATIO AND LABELLING OF AIR  
CONDITIONERS**

Pursuant to Republic Act No. 4109, Republic Act No. 7394, Republic Act No. 7638, Executive Order No. 913, series of 1983, Executive Order No. 101, series of 1967, DTI Department Order No. 48, series of 2008, DTI Department Administrative Order No. 2, series of 2007, DTI Department Administrative Order No. 7, series of 2006, DTI Department Administrative Order No. 4, series of 2008, DTI Department Administrative Order No. 5, series of 2008 and PNS 396-1:2007, "Household Appliances – Energy Efficiency ratio (EER) and labeling requirements Part 1: Non-ducted air conditioners", the following revised guidelines are hereby issued for the information and guidance of all concerned and for compliance by all manufacturers, importers, dealers, agents and other key stakeholders.

**1. SCOPE**

These guidelines specify the rules and regulations in the implementation of PNS 396-1:2007, "Household appliances" – Energy Efficiency Ratio (EER) and labeling requirements Part 1: Non-ducted air conditioners.

These implementing guidelines covers window type and split-type air conditioners with cooling capacity up to 36,000 kJ/h, that operates using refrigeration by vapor compression cycle and using electricity (rated up to 230 volts and 60 Hz) as main power source.

The following documents attached hereto shall be deemed to form an integral part of the implementing Guidelines.

- 1.1 Annex A<sup>\*</sup>: Specific Guidelines for the Conduct of Test
- 1.2 Annex B<sup>\*</sup>: Performance Requirements
- 1.3 Annex C<sup>\*</sup>: Determination of EER Classification

**2. DEFINITION OF TERMS**

For the purpose of these guidelines, the following definitions shall apply:

- 2.1 DTI – Department of Trade and Industry
- 2.2 DOE – Department of Energy
- 2.3 BPS – Bureau of Product Standards

- 2.4 ERTLS – Energy Research and Testing Laboratory Services
- 2.5 DTI-RO/PO – DTI Regional Office/Provincial Office
- 2.6 LATL – Lighting and Appliance Testing Laboratory
- 2.7 PS Certification Mark License – Document issued by BPS to a manufacturer/assembler authorizing its use of mark of conformity on its products in accordance with the rules of the certification scheme.
- 2.8 Import Commodity Clearance (ICC) – A document issued by DTI attesting that the imported room air conditioners passed the requirements of the specific standard and is governed by DAO 5, series of 2008.
- 2.9 Manufacturer/Assembler – An entity engaged in the manufacture or assembly of room air conditioners.
- 2.10 Importer – An entity engaged in the importation of room air conditioners.
- 2.11 Dealer/Retailer – An entity engaged in the sale of room air conditioners.
- 2.12 Licensee – Manufacturer, assembler or importer issued a PS Certification Mark License/Import Commodity Clearance.
- 2.13 Air Conditioner – as defined in PNS 240:1998/ISO 5151. It is basically an encased assembly designed as a unit, primarily for mounting in a window or through the wall or as a console. It is designed to provide free delivery of conditioned air to an enclosed space, room or zone. It includes a prime source of refrigeration and dehumidification and means for circulating and cleaning air.
- 2.14 Base Model – One whose main component together with the design are distinct as to compressor size, cooling capacity, electrical rating, coil size or design, air flow, etc.
- 2.15 Generic Model – refers to a range of models similar to the base model where all the models have the same relevant physical characteristics, construction, system design, cooling capacity, power input, efficiency rating, and other performance characteristics.

Note: Any variation from the base models shall have no effect on the performance and energy efficiency.

- 2.16 Energy Efficiency Ratio (EER) – The quotient of the cooling capacity in kilojoules per hour divided by the electrical power input in watts as determined by PNS 240:1998/ ISO 5151.
- 2.17 Minimum Energy Performance Standard (MEPS) – A performance standard which prescribes a minimum level of energy efficiency ratio for room air conditioners as stated in this Implementing Guidelines.
- 2.18 Energy Efficiency Classification - the classification based on the rated EER of the particular air conditioner designated by the number of stars in the energy labels, the more stars means more energy efficient.
- 2.19 Model – All units within the manufacturers' or importers' product line which are identical except for serial number or similar identifying marks.
- 2.20 Production Unit – An air conditioner which is produced or assembled using the manufacturer's normal production processes for units to be distributed in commerce.
- 2.21 Test Sample – A room air conditioner picked out at random from the batch.

2.22 Advance Sample – a test sample that is still on pre-production stage, engineering sample, not in bulk of actual shipment or sent by the importer in limited number that is not yet intended for commercial selling. The sample that already have completed or documented specifications as required in the marking requirement of PNS 396-1:2007.

2.23 BPS designated/recognized testing laboratory – A body authorized by BPS to conduct product tests under the scope of DAO 4:2008 and DAO 05:2008.

2.24 Upgrading of claims – an increased or improvement of any/or all of the claimed ratings provided it is within the requirements of standard (PNS 396-1:2007) based on the result of performance testing.

2.25 Downgrading of claims – a decreased of value of any/or all of the claimed ratings to comply with the requirements of standard (PNS 396-1:2007) based on the result of performance testing.

### 3. APPLICATION FOR PS OR ICC MARK

3.1 Manufacturers and assemblers' of room air conditioners shall apply for the Philippine Standard (PS) Quality Certification License with DTI-BPS/RO/PO. Requirements and procedures in processing of PS application shall be governed by DAO 4:2008 and its implementing rules and regulations.

3.2 Importers of room air conditioners shall apply for the import Commodity Clearance (ICC) on a per shipment per bill of lading basis with the nearest DTI-BPS/RO/PO. Requirements and procedures in processing of ICC application shall be governed by DAO 5:2008 and its implementing rules and regulations.

### 4. ISSUANCE OF LICENSE TO USE THE PS CERTIFICATION MARK

4.1 A license to use the PS Quality Certification Mark shall be issued by DTI-BPS to manufacturers/assemblers capable of producing room air conditioners conforming to the requirements of PNS 396 Part 1:2007 "Energy Efficiency Ratio and Labelling Requirement for Room Air Conditioners", Terms and conditions of the license shall be governed by the provisions of Department Administrative Order No. 4, series of 2008, "The New Rules and Regulations Concerning the Philippine Standards (PS) Quality and/or Safety Certification Mark Scheme of the Bureau of Product Standards (BPS)".

### 5. ISSUANCE OF IMPORT COMMODITY CLEARANCE

5.1 An ICC shall be issued by DTI-RO/PO to importers whose room air conditioners conform to the requirements of PNS 396 PART 1:2007 "Energy Efficiency Ratio and Labeling Requirement for Room Air

Conditioners”, Terms and conditions of the ICC shall be governed by Department Administrative Order No. 5, series of 2008, “The New Rules and Regulations Concerning the Issuance of the Import Commodity Clearance Under the Product Certification Mark Scheme of the Bureau of Product Standards (BPS)”.

5.2 The requisite ICC will be issued per shipment per bill of lading or airway bill as required in new DTI-DAO 5:2008.

## 6. AUTHORITIES AND RESPONSIBILITIES OF THE DTI AND DOE-ERTLS

### 6.1 Role of the DTI

In addition to the duties specified in DTI-DAO 4:2008 and DTI-DAO 5:2008, DTI shall:

6.1.1. Prepare a minimum scheme of supervision and control that each assembler and manufacturer must implement in its production operations to ensure consistent conformity of its product to the requirements of the standard.

6.1.2 Draw test sample of air conditioners from manufacturers/importers warehouse or market place.

6.1.3 Inform the licensees of any changes in the standard, and its corresponding implementing guidelines.

6.1.4 Maintain and disseminate a registry of PS licensees and importers of room air conditioners, to be posted at the DTI website.

6.1.5 Coordinate with the DTI-RO/PO in the implementation of these guidelines, especially in the conduct of factory and product audits relative to the DTI-BPS’ Product Certification Mark Schemes and conduct of inspection/ inventory at the declared warehouse of the importers of room air conditioners.

6.1.6 Conduct final evaluation of all factory and product assessment reports and other relevant recommendation of the DTI-RO/PO;

6.1.7 Issue, deny, suspend or revoke licenses based on findings under clause 6.1.5;

6.1.8 Coordinate with DTI-RO/PO and the DTI Office of Legal Affairs in identifying and implementing appropriate legal action against manufacturers, assemblers, importers retailers, distributors and dealers violating the above-stated laws, rules and regulations, department administrative orders, these

guidelines, the requirements of the specific standard, its implementing memoranda and circular.

## 6.2 Role of DOE-ERTLS

As the official testing laboratory for energy performance testing of air conditioner,  
DOE-ERTLS shall:

6.2.1 Set up and maintain the necessary testing facilities for the energy performance testing of room air conditioners in accordance with the relevant PNS;

6.2.2 Take the lead in ensuring the integrity of testing for certification of air conditioners;

6.2.3 Conduct the testing of air conditioners as stated/requested in the BPS test request form.

6.2.4 Validate the energy labels and maintain its credibility.

6.2.5 Responsible for the issuance of control number series, validation of the prototype energy label for compliant air conditioners;

6.2.6 Verify/review the data for re-rating if it conform/comply with the set standard tolerances.

6.2.7 Inspect or verify the declared generic models.

6.2.8 Maintain and periodically update the list of certified air conditioner.

6.2.9 Prepare/upgrade the implementing guidelines in coordination with DTI- BPS in consultation with industry players;

6.2.10 Coordinate closely with DTI-BPS regarding the dissemination of these guidelines to manufacturers/importers, DTI-RO/PO.

6.2.11 Identify testing laboratory and delegate representative who will supervise the testing activities requested by manufacturers and importers.

6.2.12 Issue statement of account on the testing fee and other service rendered relevant to the energy labeling program.

## 7. FACTORY ASSESSMENT