

**DEPARTMENT ADMINISTRATIVE ORDER NO. 18-02**  
Series of 2018

**SUBJECT: MANDATORY PHILIPPINE NATIONAL STANDARD (PNS) FOR SELF-BALLASTED LED LAMPS FOR GENERAL LIGHTING SERVICES**

1. Pursuant to Republic Act 4109, Republic Act 7394, Executive Order No. 913 Series of 1983, Executive Order No. 133 Series of 1987, Executive Order No. 101 Series of 1967, Department Administrative Order No. 4 Series of 2008, Department Administrative Order No. 5 Series of 2008, Department Administrative Order No. 2 Series of 2007; and Sec. 10 (4), Title X Book IV of the Administrative Code of 1987, the following Philippine National Standard is hereby adopted for mandatory implementation:

**PNS IEC 62560:2012 – Self-Ballasted LED Lamps for General Lighting Services by Voltage > 50V - Safety Requirements**

2. All manufacturers, distributors, importers, and retailers of said product shall comply with the requirements of this standard.
3. A third party certification, known as the Product Certification Scheme of the DTI – Bureau of Philippine Standards (BPS), requires all manufacturers and importers of said product to secure a Philippine Standard (PS) License and an Import Commodity Clearance (ICC), respectively, prior to its distribution and sale.

**4. Terms and Definitions**

In addition to the definitions provided in the standard, the following shall apply:

- 4.2.1 **BPS** – Bureau of Philippine Standards
- 4.2.2 **DTI** – Department of Trade and Industry
- 4.2.3 **FTEB** – Fair Trade Enforcement Bureau
- 4.2.4 **PS Quality and/or Safety Certification Mark License** – document issued by BPS to a company authorizing its use of the PS Quality and/or Safety Certification Mark on the products in accordance with the rules of the certification scheme
- 4.2.5 **Importer** – an entity engaged in the importation of the product
- 4.2.6 **Manufacturer** – an entity engaged in the manufacture or assembly of the product
- 4.2.7 **Licensee** – manufacturer issued a PS Certification Mark License/Import Commodity Clearance
- 4.4.9 **Test Samples** – the product picked out at random from a lot or batch

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- 4.2.9 **Self-ballasted LED Lamp** – unit which cannot be dismantled without being permanently damaged, provided with a lamp cap and incorporating a LED light source and any additional elements necessary for stable operation of the light source
- 4.2.10 **Basic Model/Type** – one that represents a set of generic characteristics of a group of products
- 4.2.11 **Generic Model** – refers to a model or series of models which critical components together with its mechanical and electrical designs are similar including energy source, electrical characteristics, and other physical or functional characteristics with the base model

## 5. Implementing Guidelines

The Implementing Guidelines for the Mandatory Certification of the said product shall be as follows:

### 5.1 Scope

The scope of implementation shall cover Self-ballasted LED-Lamps for General Lighting Services by Voltage > 50 V - Safety Requirements covered by PNS IEC 62560:2012, intended for domestic and similar general lighting purposes, having:

- a rated wattage up to 30 W
- a rated voltage > 50 V up to 250 V
- E14 and E27 caps

### 5.2 Authorities and Responsibilities of DTI/BPS

Duties and responsibilities of DTI/BPS prescribed in DAO 4:2008, DAO 5:2008, and their future amendments shall apply.

### 5.3 Application for PS or ICC Certification

5.3.1 Manufacturers shall apply for the Philippine Standard (PS) Quality and/or Safety Certification Mark License in accordance to the requirements of DAO 4:2008, its implementing rules and regulations, and their future amendments.

5.3.2 Importers shall apply for the Import Commodity Clearance (ICC) in accordance to the requirements of DAO 5:2008, its implementing rules and regulations, and their future amendments.

### 5.4 Sampling

5.4.1 For ICC application, ten (10) pieces of samples per basic model/type per brand shall be randomly drawn from the shipment at the importer's warehouse by a duly authorized DTI/BPS representative.

5.4.2 For PS Certification Mark License application, 20 pieces of samples per basic model/type per brand for each set shall be randomly drawn from the manufacturer's production line or warehouse by a duly authorized DTI/BPS representative. The first 10 pieces shall be tested in-plant as witnessed by the authorized DTI/BPS representative. The remaining units shall be packed/sealed

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and signed by the authorized DTI/BPS representative for independent testing upon satisfactory results of the in-plant test.

- 5.4.3 Test samples for independent testing shall be packed/sealed and signed by the authorized DTI/BPS representative and shall be sent by the manufacturer or importer to BPS recognized testing laboratory within seven (7) working days upon drawing of samples. The authorized DTI/BPS representative shall ensure that the Request for Test form is properly filled-up, signed and issued to the manufacturer or importer.
- 5.4.4 For generic models, one (1) complete unit shall be drawn and be sent together with its base model to the BPS recognized testing laboratory for actual verification purposes.
- 5.4.5 Prior to testing, there shall be no special preparation, modification or adjustment, quality control, testing or assembly procedure conducted in any manner on a test sample or any parts and sub-assemblies thereof, which is not normally performed during production and assembly.

## 5.5 In-plant Test

- 5.5.1 The manufacturer shall have the capability to conduct the following minimum test parameters as prescribed by PNS IEC 62650:2012 using its own inspection, measuring, and testing equipment:
  - 5.5.1.1 Marking completeness, legibility, and durability
  - 5.5.1.2 Interchangeability
  - 5.5.1.3 Protection against accidental contact with live parts
  - 5.5.1.4 Insulation resistance and electric strength test
  - 5.5.1.5 Mechanical strength test (Torsion resistance)
  - 5.5.1.6 Cap temperature rise
- 5.5.2 The manufacturer shall establish a system and procedure of ensuring the full compliance of its products to the requirements of PNS IEC 62650:2012 as part of its quality control.

## 5.6 Independent Testing

- 5.6.1 Samples shall be tested by a BPS recognized testing laboratory.
- 5.6.2 Samples shall be tested at 230 V a.c., 60 Hz and shall comply with the requirements of PNS IEC 62560:2012.
- 5.6.3 The BPS recognized testing laboratory shall conduct full test on base model and verification only on generic models. If in the determination of the laboratory upon verification that the claimed generic model did not conform to the definition as stated on clause 4.2.11 of this Order, full testing shall be required.
- 5.6.4 All test results shall be held strictly confidential by the BPS designated testing laboratory. Copies of test report that maybe requested by the manufacturers/importers from BPS are for product certification purposes only and not to be used for commercial purposes.

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## 5.7 Required Markings

Required markings shall be as follows:

5.7.1 Markings/labels prescribed by PNS IEC 62560:2012

5.7.2 Markings/labels prescribed by DAO 04:2008/DAO 05:2008 and their future amendments

5.7.3 Markings/labels prescribed by the Consumer Act of the Philippines (Republic Act No. 7394)

## 5.8 Disposition of Samples

5.8.1 Tested samples shall be retrieved by the manufacturer/importer within 30 days upon receipt of the notice issued by the testing laboratory.

5.8.2 Samples which failed to comply with the requirements of PNS IEC 62560:2012 may be stored at the concerned testing laboratory for reference purposes and in the event that the manufacturer/importer contests the result of tests. If the test results were not contested after two (2) months from the issuance, the test report is deemed final and the samples shall be returned to the manufacturer/importer or disposed of in a manner deemed appropriate, under existing rules and regulations.

5.8.3 The BPS and the testing laboratory shall not be liable for whatever damage sustained by the test samples during transport and testing. The laboratory shall dispose the samples, in a manner deemed appropriate under existing rules and regulations. Disposal of tested samples with hazardous substances shall be the responsibility of the manufacturer/importer concerned.

## 5.9 Monitoring and Market Surveillance

The BPS/FTEB/DTI-RO/PO Offices shall at any time monitor and inspect products in the market for conformance to the requirements of DAO 2:2007, DAO 3: 2008, DAO 4:2008, DAO 5:2008, their future amendments, and the specified standard. If the products are found not in conformity, DTI/BPS shall make appropriate legal actions or impose necessary sanctions, in accordance with the relevant laws, rules and regulations.

### Separability Clause

Should any provision of this Administrative Order or any part thereof be declared invalid, the other provisions, so far as they are separate from the invalid ones, shall remain in force and effect.

### Repealing Clause

This repeals Memorandum Circulars, Implementing Guidelines and all other Orders or parts thereof which are inconsistent with the provision of this Administrative Order.

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## 8. Transitory Provision

- 8.1 All manufacturers or importers of self-ballasted LED lamps may apply for voluntary certification within six (6) months after the date of effectivity of this Order.
- 8.2 All manufacturers or importers of self-ballasted LED lamps shall be required to undergo the mandatory product certification procedures six (6) months after the date of effectivity of this Order.
- 8.3 After 18 months from the date of its effectivity, all self-ballasted LED lamps covered by this Order that shall be distributed or offered for sale in the market shall bear a valid PS mark or ICC stickers. Compliance shall be verified thru the conduct of market monitoring and enforcement activities.

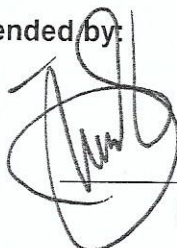
## 9. Effectivity

This Order shall take effect fifteen (15) days after its publication in a national newspaper of general circulation, a copy of which shall be submitted to the UP Office of National Administrative Register.

Done in the City of Makati this 29th day of January in the year 2018.

Recommended by:

  
ENGR. JAMES E. EMPEÑO  
Director-in-Charge  
Bureau of Philippine Standards

  
RUTH B. CASTELO  
Undersecretary  
Consumer Protection Group

Approved:

  
RAMON M. LOPEZ  
Secretary

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