

**DEPARTMENT ADMINISTRATIVE ORDER NO. \_\_\_\_\_**

Series of 2016

**SUBJECT: MANDATORY PHILIPPINE NATIONAL STANDARDS (PNS) FOR HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES**

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 Standards are hereby adopted for mandatory implementation:

<b>Philippine National Standard (PNS)</b>	<b>Title</b>
<b>PNS IEC 60335-1:2005</b> (IEC published 2001)	Household and similar electrical appliances - Safety - Part 1: General Requirements
<b>PNS IEC 60335-2-3:2005</b> (IEC published 2002)	Household and similar electrical appliances - Safety - Part 2 - 3: Particular requirements for electric irons
<b>PNS IEC 60335-2-4:2001</b> (IEC published 2000)	Safety of household and similar electrical appliances - Part 2 - 4: Particular requirements for spin extractors
<b>PNS IEC 60335-2-7:2000</b> (IEC published 1998)	Safety of household and similar electrical appliances - Part 2 -7: Particular requirements for washing machines
<b>PNS IEC 60335-2-9:2005</b> (IEC published 2002)	Household and similar electrical appliances - Safety - Part 2 - 9: Particular requirements for grills, toasters and similar portable cooking appliances
<b>PNS IEC 60335-2-14:2002</b> (IEC published 1994)	Safety of household and similar electrical appliances - Part 2 - 14: Particular requirements for kitchen machines
<b>PNS IEC 60335-2-15:2005</b> (IEC published 2002)	Household and similar electrical appliances - Safety - Part 2 - 15: Particular requirements for appliances for heating liquids
<b>PNS IEC 60335-2-24:2013</b> (IEC 60335-2-24:2010)	Household and similar electrical appliances - Safety - Part 2 - 24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers
<b>PNS IEC 60335-2-25:2005</b> (IEC published 2002)	Household and similar electrical appliances - Safety - Part 2 -25: Particular requirements for microwave ovens, including combination microwave ovens
<b>PNS IEC 60335-2-40:2000</b> (IEC published 1995)	Household and similar electrical appliances - Safety - Part 2 - 40: Particular requirements for electrical heat pumps, air- conditioners and dehumidifiers
<b>PNS IEC 60335-2-80:2005</b> (IEC published 2002)	Household and similar electrical appliances - Safety - Part 2 - 80: Particular requirements for fans
<b>PNS IEC 60065:2007</b> (IEC published 2001)	Audio, video and similar electronic apparatus - Safety requirements

2. All manufacturers, assemblers, and importers of said products shall comply with the requirements of these standards.

3. A third party certification, known as the Product Certification Scheme of the DTI – Bureau of Philippine Standards (BPS), requires all manufacturers, assemblers, and importers of products under clause 5.1 of this Order to secure a Philippine Standard (PS) Certification Mark 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 standards, 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 **Import Commodity Clearance (ICC)** – a document issued by DTI attesting that the quality and/or safety of an imported product conforms to a Philippine National Standard (PNS) or BPS-recognized international/foreign standard
- 4.2.5 **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
- 4.2.6 **Importer** – an entity engaged in the importation of the product
- 4.2.7 **Manufacturer/Assembler** – an entity engaged in the manufacture or assembly of the product
- 4.2.8 **Licensee** – manufacturer, assembler or importer issued a PS Certification Mark License/Import Commodity Clearance
- 4.2.9 **Test Samples** – the product picked out at random from a lot or batch
- 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 capacity, 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 products covered under the standards stated in clause 1 of this Order shall be as follows:

##### 5.1 Scope

5.1.1 The scope of implementation shall cover the following:

- 5.1.1.1 **PNS IEC 60335-2-3:2005** – Electric dry irons and steam irons for household and similar purposes with rated voltage up to 250 V a.c.
- 5.1.1.2 **PNS IEC 60335-2-4:2001** – Spin extractors for household and similar purposes with rated voltage up to 250 V a.c.

- 5.1.1.3 **PNS IEC 60335-2-7:2000** – Single-tub and twin-tub, semi-automatic and fully-automatic controlled washing machines with horizontal or vertical drum orientation that are for household and similar use, their rated voltage being not more than 250 V a.c.
- 5.1.1.4 **PNS IEC 60335-2-9:2002** – Portable electric toasters, stoves, hotplates, grills, ovens, turbo broilers, and induction hotplates intended for household and similar purposes with rated voltage not more than 250 V a.c.
- 5.1.1.5 **PNS IEC 60335-2-14:2002** – Portable electric blenders, juicers, food mixers, and food processors intended for household and similar purposes with rated voltage up to 250 V a.c.
- 5.1.1.6 **PNS IEC 60335-2-15:2005** – Portable electric rice cookers/warmers up to 7-kg. capacity, coffee makers, airpots, kettles, pressure cookers, slow cookers, and multi-cookers intended for household and similar purposes with rated voltage up to 250V a.c.
- 5.1.1.7 **PNS IEC 60335-2-24:2013** – Refrigerators for household and similar use with storage capacity up to 340 liters (12 cubic feet), their rated voltage being not more than 250 V a.c.
- 5.1.1.8 **PNS IEC 60335-2-25:2005** – Portable microwave ovens intended for household and similar purposes with rated voltage up to 250 V a.c.
- 5.1.1.9 **PNS IEC 60335-2-40:2000** – Inverter and non-inverter, window and split-type air-conditioners with maximum rated voltage not more than 250 V for single phase and 600 V for all other types with cooling capacity up to 38,000 kJ/hr
- 5.1.1.10 **PNS IEC 60335-2-80:2005** – a.c. and a.c./d.c. electric fans for household and similar purposes with rated power up to 300 W and rated voltage not more than 250 V a.c.
- 5.1.1.11 **PNS IEC 60065:2007** – Stand-alone CD/VCD/DVD/Blu-ray disc players and CRT and LCD panel (with CCFL or LED backlight) television sets with display size up to 45 inches, with rated voltage up to 250 V a.c. Television sets with a separate power supply are also covered by this Order.

5.1.2 Appliances not intended for normal household use but which nevertheless may be a source of danger to the public (i.e. for use in commercial establishments) are within the scope of this Order.

5.1.3 This Order does not cover appliances that are exclusively for industrial purposes.

## 5.2 Authorities and Responsibilities of DTI/BPS

Duties and responsibilities of DTI/BPS specified in DAO 4:2008 and DAO 5:2008 shall apply.

## 5.3 Application for PS or ICC Certification

5.3.1 Manufacturers/assemblers shall apply for the Philippine Standard (PS) Quality and/or Safety Certification Mark License according to the requirements of DAO 4:2008 and its implementing rules and regulations.

- 5.3.2 Importers shall apply for the Import Commodity Clearance (ICC) according to the requirements of DAO 5:2008 and its implementing rules and regulations.

#### 5.4 Sampling

- 5.4.1 For ICC application, three (3) sets consisting of two (2) complete units per set shall be randomly drawn from the shipment at the importer's warehouse by a duly authorized DTI/BPS representative. The first set shall be sent to the BPS recognized testing laboratory for independent testing and the other two (2) sets shall remain at the importer's warehouse. These shall serve as reserve samples in case of a need for re-testing.
- 5.4.2 For PS Certification Mark License application, four (4) units shall be randomly drawn from the manufacturer/assembler's production line or warehouse by a duly authorized DTI/BPS representative. The first two (2) units shall be tested in-plant as witnessed by the authorized DTI/BPS representative. The other two (2) units shall be packed/sealed 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/assembler or importer to BPS recognized testing laboratory within two (2) 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/assembler or importer.
- 5.4.4 The applicant may also be required by the BPS recognized testing laboratory to submit the PCB wiring diagram and spare parts that are necessary for the conduct of safety testing and certificate of compliance of the critical component, if needed.
- 5.4.5 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.
- 5.4.6 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/assembler shall have the capability to test finished product based on the requirements of the relevant PNS.
- 5.5.2 The manufacturer/assembler shall have the minimum equipment listed below for quality checking:
- 5.5.2.1 Test Finger and Test Pin
  - 5.5.2.2 Dielectric Strength Tester
  - 5.5.2.3 Insulation Resistance Test Meter
  - 5.5.2.4 Vernier Caliper/Micrometer
  - 5.5.2.5 Power Meter
  - 5.5.2.6 Leakage Current Meter
  - 5.5.2.7 Hexane Solution/Water Petroleum Spirit for Marking Test
  - 5.5.2.8 10° or 15° inclined plane
  - 5.5.2.9 Test floor/wall with black dull paint

5.5.3 The manufacturer/assembler that does not have the capability to conduct tests on certain clause/parameter of the standard, shall establish a system and procedures of having its product tested using accredited testing laboratory as part of its quality control.

## 5.6 Independent Testing

5.6.1 Samples shall be tested by any BPS recognized testing laboratory.

5.6.2 Samples shall be marked and tested at 230 V a.c., 60 Hz and shall comply with the requirements of the relevant standard.

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 In the case of an ICC application for a product with accompanying test report acceptable to the BPS, the DTI/BPS has the prerogative to require drawing of samples from the actual shipment for confirmatory testing or verification.

5.6.5 In the case of re-testing for both ICC and PS application, full testing shall be conducted by the BPS recognized testing laboratory to ensure full compliance of the product to its relevant standard. Re-testing on a particular clause/s of the standard shall only be conducted upon recommendation of the BPS.

5.6.6 All test results shall be held strictly confidential by the BPS recognized testing laboratory. Copies of test report that maybe requested by the manufacturers/assemblers/importers from BPS are for product certification purposes only and not to be used for commercial purposes.

## 5.7 Product Compliance and Non-Compliance

5.7.1 Two (2) sets of samples per type/model shall have been tested by the BPS recognized testing laboratory, both showing non-compliance before a declaration can be made that the product does not conform to the requirements of the PNS.

5.7.2 For ICC application:

5.7.2.1 If in the determination of the DTI/BPS that the first set of test samples failed to conform to the requirements of the relevant standard, the DTI/BPS shall advise the importer to undertake any of the following options:

5.7.2.1a Submit the second and third sets of samples drawn and sealed by the authorized DTI/BPS representative to the BPS recognized testing laboratory for re-testing;

5.7.2.1b Undertake the necessary corrective actions within 15 working days upon receipt of notice from the DTI/BPS. After the corrective actions have been undertaken, re-inspection/verification shall be conducted and another set of samples shall be drawn by an authorized DTI/BPS representative for confirmatory testing. An affidavit of undertaking shall be submitted by the importer to the BPS attesting that the corrective actions are applied to all the products covered by the particular ICC application;

5.7.2.1c Re-export the non-compliant products to the country of origin. Inventory and inspection shall be conducted by an authorized DTI/BPS representative prior to the re-exportation. Re-export documents (i.e. Bill of Lading and Import Entry or any other document that will serve as proof that the non-compliant products arrived at the port of destination) shall be submitted by the importer to the BPS; or

5.7.2.1d Destroy the non-compliant products to be witnessed by a duly authorized DTI/BPS representative. Inspection and inventory shall be conducted by the DTI/BPS representative prior to the actual destruction.

5.7.2.2 If in the determination of the DTI/BPS that the re-testing still showed non-compliance with the requirements of the relevant standard, the ICC application shall be denied and the importer shall be advised by the DTI/BPS to undertake any of the options stipulated in clauses 5.7.2.1c or 5.7.2.1d of this Order.

5.7.3 For PS License application:

5.7.3.1 If in the determination of the BPS that the test samples failed to conform to the requirements of the standard, the BPS shall advise the manufacturer/assembler to undertake the necessary corrective actions within 15 working days upon receipt of notice from the BPS. A corrective action report shall be submitted by the manufacturer/assembler to the BPS after which product audit, sampling, and independent testing shall be conducted.

5.7.3.2 Only after re-assessment and subsequent product compliance shall the manufacturer/assembler be allowed by BPS to use the PS Certification Mark.

### 5.8 Validity of Test Reports

5.8.1 A test report issued by a BPS recognized testing laboratory shall have the following validity from the date of its issuance:

Products	Validity
<ul style="list-style-type: none"> <li>• Electric dry irons and steam irons;</li> <li>• Toasters, stoves, hotplates, grills, ovens, turbo broilers, and induction stoves;</li> <li>• Blenders, juicers, food mixers, and food processors;</li> <li>• Rice cookers, coffee makers, airpots, kettles, pressure cookers, slow cookers, and multi-cookers;</li> <li>• Electric fans</li> <li>• CD/VCD/DVD/Blu-ray disc players; and</li> <li>• Television sets;</li> </ul>	Six (6) months
<ul style="list-style-type: none"> <li>• Microwave ovens;</li> <li>• Washing machines;</li> <li>• Refrigerators; and</li> <li>• Air-conditioners</li> </ul>	Twelve (12) months

5.8.2 A test report shall only be valid to cover an ICC application provided that the products are of the same model/type and were manufactured by the same company. The validity of test reports shall only apply for those products manufactured by a company certified to ISO 9001. The scope of certification to ISO 9001 of the manufacturer shall include the manufacture/production/assembly of the particular products.

5.8.3 The validity of test reports shall not apply to the PS Certification scheme.

5.8.4 Test report of product which failed to conform to the requirements of the relevant standard during initial testing and complied during the re-testing shall not be deemed valid by the DTI/BPS to cover the subsequent ICC applications.

5.8.5 The DTI/BPS has the prerogative to draw samples during the given validity period for confirmatory testing or verification purposes.

### **5.9 Surveillance Audit for PS Licenses**

5.9.1 A PS License holder shall be audited at least once a year during the three-year validity period of the PS License. The PS Licensee shall coordinate with the DTI/BPS the schedule of the annual surveillance audits.

5.9.2 For re-certification of PS Licenses, the re-assessment audit shall be conducted no less than three (3) months prior to the expiry of the original issue of the PS License to ensure that there is no gap between the date of expiry and the date of issuance of the new certificate. The PS Licensee shall coordinate with the DTI/BPS the schedule of the re-assessment audit.

5.9.3 All the models/types covered in the scope of certification of the PS License shall be subjected to independent testing at least once during the three-year validity. Models/types not subjected to independent testing during the surveillance and re-certification audits shall be excluded in the renewal of the PS License.

5.9.4 For models/types to be included or excluded in the scope of certification of the PS License, the PS licensee shall submit to the DTI/BPS a filled-out and duly notarized Application for Extension/Reduction in the scope of PS Certification (Form No. SD-SCD-QF15). For foreign PS licensees, the form shall be authenticated by the Philippine Embassy that covers the plant location.

5.9.5 Models/types intended for inclusion in the scope of the PS License shall be subjected to a product audit at the licensee's plant location by a duly authorized DTI/BPS representative after which independent testing shall be conducted.

5.9.6 The licensee shall inform the BPS in writing in case of alterations on the design, construction, and/or components of the models covered in the scope of certification of the PS License before actual application of the alteration/s. The BPS has the prerogative to require product audit and/or independent testing to verify the compliance of the product to its relevant PNS in view of the alteration/s.

### **5.10 Required Markings**

In addition to the required markings of the relevant standards, the following shall be marked on the product and/or on its packaging:

#### 5.10.1 PS Certification Mark

5.10.1.1 The design of PS Certification Mark shall be in accordance with Annex C of the Implementing Rules and Regulations (IRR) of DAO 4:2008.

5.10.1.2 The PS Certification Mark shall only be affixed on certified products and shall not be used in any other product in a misleading manner.

#### 5.10.2 ICC Mark

5.10.2.1 The ICC Mark shall be in the form of a sticker issued by the BPS.

5.10.2.2 The ICC sticker shall only be affixed on certified products and shall not be used in any other product in a misleading manner.

5.10.3 The name, address, and contact number of the manufacturer/assembler/importer shall be marked on the products covered by the PS License or ICC certificate. In case of foreign PS licenses, the name, address, and contact number of the authorized local distributor shall be marked on the products.

### 5.11 Disposition of Samples

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

5.11.2 Samples which failed to comply with the requirements of the relevant standard may be stored at the concerned testing laboratory for reference purposes and in the event that the manufacturer/assembler/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/assembler/importer or disposed of in a manner deemed appropriate, under existing rules and regulations.

5.11.3 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/assembler/importer concerned.

### 5.12 Monitoring and Market Surveillance

The BPS/FTEB/DTI-Regional and Provincial 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 and the specified standard. If the products are found not in conformity, the BPS/FTEB/DTI-Regional and Provincial Offices shall make appropriate legal actions or impose necessary sanctions, in accordance with the relevant laws, rules and regulations.

## 6. 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.



**7. 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.

**8. Transitory Provision**

8.1 All manufacturers, assemblers, and/or importers of the products covered by this Order may apply for voluntary certification using the standards stated in clause 1 of this Order until 30 June 2017.

8.2 All manufacturers, assemblers, or importers of the products covered by this Order shall be required to undergo the mandatory product certification procedures (PS or ICC certification) beginning 01 July 2017.

8.3 Starting 01 July 2018, all products 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 \_\_\_\_\_ day of \_\_\_\_\_ in the year 2016.

**Recommended by:**

\_\_\_\_\_  
**ATTY. MARIMEL D. PORCIUNCULA**  
Officer-in-Charge, BPS

\_\_\_\_\_  
**ATTY. TEODORO C. PASCUA**  
Undersecretary, CPG

**Approved:**

\_\_\_\_\_  
**RAMON M. LOPEZ**  
Secretary