

DEPARTMENT ADMINISTRATIVE ORDER NO. 18-03
Series of 2018

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:

Philippine National Standard (PNS)	Title
PNS IEC 60335-1:2011 (IEC published 2006)	Household and similar electrical appliances - Safety - Part 1: General Requirements
PNS IEC 60335-2-3:2005 (IEC published 2002)	Household and similar electrical appliances - Safety - Part 2 - 3: Particular requirements for electric irons
PNS IEC 60335-2-4:2016 (IEC published 2012)	Household and similar electrical appliances - Safety - Part 2 - 4: Particular requirements for spin extractors
PNS IEC 60335-2-7:2016 (IEC published 2012)	Household and similar electrical appliances - Safety - Part 2 - 7: Particular requirements for washing machines
PNS IEC 60335-2-9:2016 (IEC published 2012)	Household and similar electrical appliances - Safety - Part 2 - 9: Particular requirements for grills, toasters and similar portable cooking appliances
PNS IEC 60335-2-14:2016 (IEC published 2012)	Household and similar electrical appliances - Safety - Part 2 - 14: Particular requirements for kitchen machines
PNS IEC 60335-2-15:2015 (IEC published 2012)	Household and similar electrical appliances - Safety - Part 2 - 15: Particular requirements for appliances for heating liquids
PNS IEC 60335-2-24:2013 (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
PNS IEC 60335-2-25:2015 (IEC published 2014)	Household and similar electrical appliances - Safety - Part 2 -25: Particular requirements for microwave ovens, including combination microwave ovens
PNS IEC 60335-2-40:2013 (IEC published 2005)	Household and similar electrical appliances - Safety - Part 2 - 40: Particular requirements for electrical heat pumps, air- conditioners and dehumidifiers
PNS IEC 60335-2-80:2016 (IEC published 2015)	Household and similar electrical appliances - Safety - Part 2 - 80: Particular requirements for fans
PNS IEC 60065:2013 (IEC published 2011)	Audio, video and similar electronic apparatus - Safety requirements

MA. CARLA VIGILANTE L. ILARDE
 Head, Records Section
 Department of Trade & Industry

2. All manufacturers 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 and importers of products under clause 5.1 of this Order to secure a Philippine Standard (PS) Certification Mark License or 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** – an entity engaged in the manufacture or assembly of the product
- 4.2.8 **Licensee** – manufacturer 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.

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:

CERTIFIED TRUE PHOTOCOPY

MA. CARLA WITTEL ILARDE

Head, Records Section

Department of Trade & Industry

- 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 60335-2-4:2016** – Spin extractors for household and similar purposes with rated voltage up to 250 V a.c.
- 5.1.1.3 **PNS IEC 60335-2-7:2016** – 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 60335-2-9:2016** – Portable electric toasters, stoves, hotplates, grills, ovens, turbo broilers, and induction cookers intended for household and similar purposes with rated voltage not more than 250 V a.c.
- 5.1.1.5 **PNS IEC 60335-2-14:2016** – 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 60335-2-15:2015** – Portable electric rice cookers/warmers up to 7-liter 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 567 liters (20 cubic feet), their rated voltage being not more than 250 V a.c.
- 5.1.1.8 **PNS IEC 60335-2-25:2015** – Portable microwave ovens intended for household and similar purposes with rated voltage up to 250 V a.c.
- 5.1.1.9 **PNS IEC 60335-2-40:2013** – Inverter and non-inverter, window-type and split-type (wall-mounted and floor-standing) 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. Multi-split, ducted, ceiling cassette/suspended/concealed type air conditioning units are not within the scope of this Order.
- 5.1.1.10 **PNS IEC 60335-2-80:2016** – 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 60065:2013** – 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 55 inches, with rated voltage up to 250 V a.c. Television sets and disc players 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.

CERTIFIED TRUE PHOTOCOPY
 MA. CARLA VENTURA L. ILARDE
 Head, Records Section
 Department of Trade & Industry

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, three (3) complete units for electric fans and two (2) complete units for other appliances 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, six (6) units (for electric fans) or four (4) units (for other appliances) shall be randomly drawn from the manufacturer's production line or warehouse by a duly authorized DTI/BPS representative. The first three (3) units (for electric fans) or two (2) units (for other appliances) shall be tested in-plant as witnessed by the authorized DTI/BPS representative. The remaining 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 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 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.

CEBRERIO TRUJILLO
MA. CARLA WHITE L. ILARDE
Head, Records Section
Department of Trade & Industry

5.5 In-plant Test

- 5.5.1 The manufacturer shall have the capability to conduct the test parameters stated in Annex A as prescribed by the relevant PNS using its own inspection, measuring, and testing equipment.
- 5.5.2 The manufacturer shall establish a system and procedure of ensuring the full compliance of its products to the requirements of the relevant PNS 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 the relevant standard/s.
- 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.
- 5.6.6 All test results shall be held strictly confidential by the BPS recognized testing laboratory. Copies of test report that maybe requested by the manufacturers/importers from BPS are for product certification purposes only and not to be used for commercial purposes.

5.7 Required Markings

Required markings shall be as follows:

- 5.7.1 Markings/labels prescribed by the relevant PNS
- 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 the relevant standard 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/

CERTIFIED TRUE COPY
MA. CARLA VENTE L. ILARDE
Head, Records Section
Department of Trade & Industry

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-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, their future amendments, and the specified standards. 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 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 within six (6) months after the date of effectivity of this Order.
- 8.2 All manufacturers or importers of the products covered by this Order shall be required to undergo the mandatory product certification procedures (PS or ICC certification) six (6) months after the date of effectivity of this Order.
- 8.3 After 18 months from the date of its effectivity, 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.
- 8.4 PS Licenses (local and foreign) issued under DAO 4:2008 and the previous Implementing Guidelines of the products stated in clause 5.1 herein, prior to the effectivity of this Order, shall remain valid until the date of expiration thereof unless sooner revoked and subject to the same terms and condition stated therein.

MA. CARLA V. LARDE
Head, Records Section
Department of Trade & Industry


REVIEWED TO THE BUREAU COPY

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:

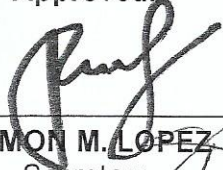


ENGR. JAMES E. EMPEÑO
Director-in-Charge
Bureau of Philippine Standards



RUTH B. CASTELO
Undersecretary
Consumer Protection Group

Approved:



RAMON M. LOPEZ
Secretary

CRATIFICADO TRUE COPY

MA. CARLA WITTE L. ILARDE

Head, Records Section

Department of Trade & Industry

**MINIMUM TEST PARAMETERS TO BE CONDUCTED IN-PLANT FOR
PS LICENSE HOLDERS AND APPLICANTS**

Product	Test Parameters Required
Electric Irons	<ol style="list-style-type: none"> 1. Marking 2. Protection against access to live parts 3. Power input and current 4. Heating 5. Leakage current and electric strength 6. Abnormal operation 7. Stability and mechanical hazards 8. Mechanical strength
Electric blenders, juicers, food mixers, and food processors	
Electric rice cookers, coffee makers, airpots, kettles, pressure cookers, slow cookers, and multi-cookers	
Electric toasters, stoves, hotplates, grills, ovens, turbo broilers, and induction stoves	
Electric fans	
Microwave ovens	
Spin extractors	
Washing machines	
Refrigerators	
Air conditioners	
CD/VCD/DVD/Blu-ray disc players and Television sets	<ol style="list-style-type: none"> 1. Marking 2. Electric shock hazard under normal operating conditions 3. Fault conditions 4. Mechanical strength 5. Stability

SECRETARIAT TO THE COMMISSIONER

MA. CARLA VITTEL ILARDE

Head, Records Section

Department of Trade & Industry