



Philippines' Efforts on Traffic Safety and Updates on Standardization and Certification of Automotive Products

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Contents:

- I. Long Term Plans for Accident Prevention
- II. Updates on PH Standards and Certification of Automotive Parts and Components

I. LONG TERM PLANS FOR ACCIDENT PREVENTION

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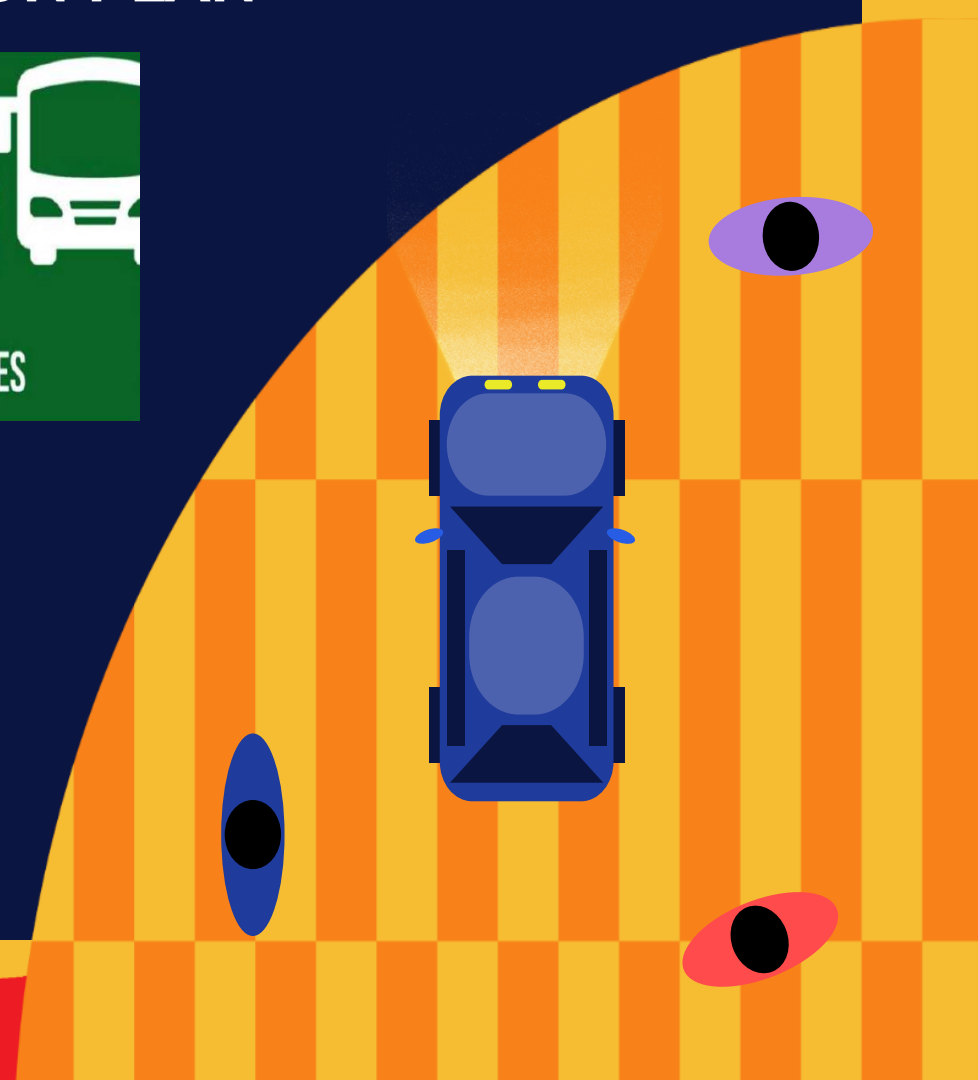
Regional Director

Land Transportation Office

Regional Office No. 03



FIVE PILLARS OF THE 2023-2028 PHILIPPINE ROAD SAFETY ACTION PLAN





PILLAR 1: ROAD SAFETY MANAGEMENT

Pillar 1 addresses the need for strengthening and institutionalizing road safety governance in the Philippines.

Objective 1:

To institutionalize a strong, sustainably-funded lead agency.

Objective 2:

To prioritize road safety in government planning systems.

Objective 3:

To establish quality road safety data for evidence

Objective 4:

To strengthen the engagement of non-society on road safety.

Objective 5:

To enhance research capacity on road safety.



PILLAR 2: SAFER ROADS

Pillar 2 focuses on the infrastructure aspect of road safety.

Objective 1:

To promote road safety ownership and accountability among road authorities.

Objective 2:

To develop safe road infrastructure for all road users.



PILLAR 3: SAFER VEHICLES

Pillar 3 focuses on ensuring safe vehicles on the road through enhanced vehicle registration and inspection systems and compliance to harmonized vehicle standards and regulations.

Objective 1:

To improve and expand the motor vehicle inspection system (MVIS), and encourage its mandatory use.

Objective 2:

To adopt and implement international standards or its equivalent that can increase safety in motor vehicles.

Objective 3:

To ensure roadworthy Public Utility Vehicles (PUV) and private motor vehicle fleets.

Objective 4:

To promote safe transport using alternative fuels in compliance with the Electric Vehicle Industry Development Act (EVIDA).



PILLAR 4: SAFER ROAD USERS

Pillar 4 gives emphasis on enhancing the behavior of road users to promote road safety through education campaigns, capacity-building, and research studies.

Objective 1:

To increase public awareness and support for road safety.

Objective 2:

To strengthen enforcement and public compliance of road safety laws.

Objective 3:

To ensure safe operations of public and private transport fleets.



PILLAR 5: POST-CRASH RESPONSE

Pillar 5 focuses on improving access to pre-hospital care, trauma care, and rehabilitation for victims of road crashes.

Objective 1:

To improve access to post-crash care.

- **Enhance emergency medical and post-crash care responses.**
 - **Strengthen and enhance trauma centers or units.**
 - **Strengthen professional medical care for road crash victims.**
- **Aid in post-crash investigation for future prevention of road crashes.**

II. Updates on PH Standards and Certification of Automotive Parts and Components



- ❖ **the Philippines' National Standards Body (NSB)**
- ❖ **develops, promulgates, implements, and coordinates standardization activities in the Philippines**
- ❖ **certifies automotive parts/components covered by mandatory certification**

BPS Mandatory Product Certification Schemes



**Philippine Standard (PS)
Quality and/or Safety
Certification Mark
Licensing Scheme**
(Scheme Type 5)

manufacturers



**Import Commodity
Clearance (ICC)
Certification
Scheme**
(Scheme Type 1b)

importers



Automotive and Related Products under the BPS' Mandatory Product Certification

*as of November 2023



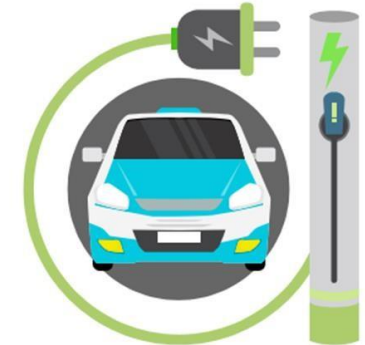
Regulated Automotive Products	Reference Philippine National Standards (PNS)	Proposed Reference Standards <i>(*based on the draft new Technical Regulation)</i>
1. Pneumatic tires	PNS 25:1994	PNS UN ECE 30:2010 54:2010, & 75:2007
2. Rubber inner tubes	PNS 34:2000	PNS 34-1:2019 (motorcycles)
3. Safety glass for automotive applications	PNS 130:1988 Amd. 01:1998	PNS UN ECE 43:2009 (safety glazing materials)
4. Safety belts (Seat belts)	PNS 1892:2000 Amd. 01:2002	PNS UNR 16:2019
5. Lead-acid storage batteries	PNS 06:1987	<i>no changes</i>
6. Speed limitation devices	PNS UNR 89: 2016	<i>no changes</i>
7. Helmets & their visors	PNS/UN ECE 22:2007	<i>no changes</i>
8. Child restraint systems	PNS UNR 44:2018 / PNS UNR 129:2018	<i>no changes</i>

Technical Regulation on Electric Vehicle Charging Equipment and Station

DEPARTMENT ADMINISTRATIVE ORDER NO. 22-10
Series of 2022

SUBJECT: THE NEW TECHNICAL REGULATION CONCERNING THE MANDATORY
PRODUCT CERTIFICATION OF ELECTRIC VEHICLE CHARGING
EQUIPMENT AND STATION

<i>Product Scope</i>	<i>Reference Standards</i>
AC and DC electric vehicle charging equipment and station with rated supply and output voltage up to 1000 V ac and 1500 V dc, respectively	PNS IEC 61851-1:2019 (IEC published 2017) Electric vehicle supply equipment for charging electric road vehicles including plug-in hybrid road vehicles (PHEV) PNS IEC 61851-23:2018 (IEC Published 2014) DC electric vehicle charging station



The products and the corresponding reference PNS shall be implemented for mandatory certification beginning **21 July 2023 consistent with DAO 22-10:2022*

Product Scope	Reference Standards
<p>Accessories for AC and DC electric vehicle charging equipment or station with type/configuration as follows:</p> <p>For AC:</p> <p>Type 1 vehicle connector, inlet rated 250V, 32A single phase</p> <p>Type 2 vehicle connector, socket-outlet and plug rated:</p> <ul style="list-style-type: none"> • 250V, 13A or 20A or 32A or 63A or 70A, single phase • 480V, 13A or 20A or 32A or 63A, three phase <p>Type 3 vehicle connector, socket-outlet and plug rated:</p> <ul style="list-style-type: none"> • 250V, 16A or 32A, single phase • 480V, 32A or 63A, three phase <p>For DC:</p> <p>Configuration AA with maximum rated voltage of 600V DC and maximum rated current of 200 A</p> <p>Configuration BB with maximum rated voltage of 750V DC and maximum rated current of 250A</p> <p>Configuration EE with maximum rated 600V DC and maximum current of 200A</p> <p>Configuration FF with maximum rated 1000V DC and maximum current of 200A</p>	<p>PNS 2117:2018 Plugs and socket-outlets for household and similar purposes – Configurations and dimensions</p> <p>PNS IEC 62196-1:2019 (IEC published 2014) Plugs and socket-outlets vehicle connectors and vehicle inlets – conductive charging of electric vehicles</p> <p>PNS IEC 62196-2:2019 (IEC published 2016) Dimensional compatibility and interchangeability requirements for AC pin and contact tube accessories.</p> <p>PNS IEC 62196-3:2019 (IEC Published 2014) Dimensional compatibility and interchangeability requirements for DC and AC/DC pin and contact tube vehicle couplers</p>



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DEPARTMENT ADMINISTRATIVE ORDER NO. _____
Series of 2023

SUBJECT: THE NEW TECHNICAL REGULATIONS CONCERNING THE MANDATORY
PRODUCT CERTIFICATION OF AUTOMOTIVE PRODUCTS

Status: Undergoing internal deliberation

Considerations:

- Comments received from both local and foreign stakeholders;
- ASEAN Automotive MRA; and
- Accession to the 1958 Agreement



<i>Proposed Additional Automotive Products to be Regulated</i>	<i>Reference Standards / PNS</i>
1. Lithium-ion Traction Battery Packs and Systems for Electrically Propelled Vehicles	PNS ISO 12405-1:2012 PNS ISO 12405-2:2018 PNS ISO 12405-3:2018 PNS ISO 12405-4:2021
2. Lithium-ion battery systems combined with lead acid battery or capacitor for Electrically Propelled Vehicles	PNS ISO 18300:2018
3. Secondary lithium-ion cells for Electrically Propelled Vehicles	PNS ISO/IEC PAS 16898:2018
4. Lithium-ion battery systems for Electrically Propelled Mopeds and Motorcycles	PNS ISO 18243:2019
5. Audible Warning Device	PNS/UN ECE 28:2006

6. Rear View Mirror	PNS UN ECE R46:2005 PNS UN ECE R81:2006
7. Head Restraints	PNS UN ECE 25:2005
8. Retro-reflecting devices	PNS UN ECE R03: 2005
9. Filament lamps	PNS UN ECE R37:2005
10. Headlamps	PNS UN ECE R112:2005 PNS UN ECE R113:2005
11. Front position lamps, rear position lamps, stop lamps, direction indicator lamps, and rear-registration plate illuminating devices	PNS UN ECE R50:2006



Thank You
For Your Attention