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World Forum for Harmonization of Vehicle Regulations

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Item 4.7.2 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRSG

Proposal for the 05 series of amendments to UN Regulation No. 110 (CNG and LNG vehicles)

Submitted by the Working Party on General Safety Provisions *

The text reproduced below was adopted by the Working Party on General Safety Provisions at its 121st session, held in April 2021 (ECE/TRANS/WP.29/GRSG/100, para. 68). It is based on ECE/TRANS/WP.29/GRSG/2021/9. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and the Administrative Committee of the 1958 Agreement (AC.1) for consideration and vote at their November 2021 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2021 as outlined in proposed programme budget for 2021 (A/75/6 (part V sect. 20) para 20.51), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



Paragraph 7.2., amend to read:

"7.2. An approval number shall be assigned to each type of component or multifunctional component approved in accordance with Schedule 4 of the Agreement (E/ECE/TRANS/505/Rev.3)."

Paragraph 17.2., amend to read:

"17.2. An approval number shall be assigned to each type of vehicle approved in accordance with Schedule 4 of the Agreement (E/ECE/TRANS/505/Rev.3)."

Paragraphs 18.1.8. to 18.1.8.3., amend to read:

"18.1.8. Identification of CNG- and/or LNG fuelled vehicles

18.1.8.1. Vehicles of categories M₂/N₂ and M₃/N₃ equipped with a CNG system shall be labelled as specified in Annex 6.

18.1.8.2. Vehicles of categories M₂/N₂ and M₃/N₃ equipped with a LNG system shall be labelled as specified in Annex 7.

18.1.8.3. These labels shall be placed on the front of the vehicle and on the left side as well as on the right side of the vehicle; for the side if available in vicinity of a front door. If there is no front door available, the label has to be placed on the first third of the vehicle length.

In addition, for vehicles of category M₂ and M₃, a label shall be fixed to the rear of the vehicle."

Insert new paragraphs 24.26. to 24.30., to read:

"24.26. As from the official date of entry into force of the 05 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type approvals under this Regulation as amended by the 05 series of amendments.

24.27. As from 1 September 2023, Contracting Parties applying this Regulation shall not be obliged to accept type approvals to the preceding series of amendments, first issued after 1 September 2023.

24.28. Until 1 September 2025, Contracting Parties applying this Regulation shall accept type approvals to the preceding series of amendments, first issued before 1 September 2023.

24.29. As from 1 September 2025, Contracting Parties applying this Regulation shall not be obliged to accept type approvals issued to the preceding series of amendments to this Regulation.

24.30. Notwithstanding paragraph 24.29. above, Contracting Parties applying the UN Regulation shall continue to accept UN type-approvals issued according to the preceding series of amendments to the UN Regulation, for the vehicles / vehicle systems / vehicle components which are not affected by the changes introduced by the 05 series of amendments"

Annex 6 amend to read:

"Annex 6

Provisions on CNG identification marks for vehicles of categories M₂/N₂ and M₃/N₃.

(Paragraph 18.1.8. of this Regulation)



The label shall be weather resistant.

The centre zone indicates the first energy source

The upper zone indicates the second energy source

The left zone indicates the gas behaviour due to density

The right zone indicates the state of aggregation of stored gaseous fuel

Layout and symbols shall be in accordance with ISO 17840-4:2018

The colour and dimensions of the label shall fulfil the following requirements:

Colours:

Background: Green, RGB code 0, 176, 80

Border: white reflecting

Letters and symbols: white reflecting

Dimensions:

Sticker width: ≥ 110 mm

Sticker height: ≥ 80 mm "

Annex 7 amend to read:

"Annex 7

Provisions on LNG identification marks for vehicles of categories M₂/N₂ and M₃/N₃.

(Paragraph 18.1.8. of this Regulation)



The label shall be weather resistant.

The centre zone indicates the first energy source

The upper zone indicates the second energy source

The left zone indicates the gas behaviour due to density

The right zone indicates the state of aggregation of stored gaseous fuel

Layout and symbols shall be in accordance with ISO 17840-4:2018

The colour and dimensions of the label shall fulfil the following requirements:

Colours:

Background:	white
Border:	Green reflecting, RGB code 0, 176, 80
Letters and symbols:	Green reflecting, RGB code 0, 176, 80

Dimensions:

Sticker width:	≥ 110 mm
Sticker height:	≥ 80 mm "