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World Forum for Harmonization of Vehicle Regulations

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Item 4.9.4. of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRPE

Proposal for Supplement 9 to UN Regulation No. 115 (LPG and CNG retrofit systems)

Submitted by the Working Party on Pollution and Energy* **

The text reproduced below was adopted by the Working Party on Pollution and Energy (GRPE) at its eighty-first session (ECE/TRANS/WP.29/GRPE/81) and is based on ECE/TRANS/WP.29/GRPE/2020/11 and GRPE-81-37 as amended by Annex VI of the session report. It is a proposal for Supplement 9 to UN Regulation No. 115 (LPG and CNG retrofit systems). It proposes to allow for WLTP road load determination as an alternative to the one included for NEDC test cycle. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and Administrative Committee 1 (A.C.1) for consideration at its November 2020 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in proposed programme budget for 2020 (A/74/6 (part V sect. 20) para 20.37), 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.

** This document was scheduled for publication after the standard publication date owing to circumstances beyond the submitter's control.



Add a new paragraph 2.5.1.6., to read:

- "2.5.1.6. The family relation shall be considered valid for Hybrid Electric Vehicles (HEVs), as defined in paragraph 2.21.2. of UN Regulation No. 83, with the following conditions:
- (a) If at least one Off-vehicle charging (OVC) vehicles is tested as parent vehicle according to this regulation, the family relation can be considered valid for all OVC-HEV vehicles complying with para. 2.5.1.1. to para. 2.5.1.5. above.
 - (b) If at least one Not-off-vehicle charging (NOVC) vehicles is tested as parent vehicle according to this Regulation, the family relation can be considered valid for all NOVC-HEV vehicles complying with para. 2.5.1.1. to para. 2.5.1.5. above."

Add a new paragraph 6.1.2.4.1.6.4., to read:

"6.1.2.4.1.6.4.Special provisions for Hybrid Electric Vehicles (HEVs)

In case of Hybrid Electric Vehicles, as defined in paragraph 2.21.2. of UN Regulation No. 83, the procedure described in UN Regulation No. 83 Annex 14 shall be applied during type I test."

Paragraph 6.1.2.4.3.1., amend to read:

"6.1.2.4.3.1. The emissions of CO₂ are calculated according to UN Regulation No. 101 or to UN GTR No. 15 as applicable, for each parent vehicle, if applicable.

In case of HEVs, special provisions of Annex 8 to UN Regulation No. 101 or calculation of Annex 8 to UN GTR No. 15, as applicable, shall be applied.

The mean of CO₂ emissions shall be calculated as follows:

...."

Add a new paragraph 6.2.2.4.1.6.4., to read:

"6.2.2.4.1.6.4.Special provisions for Hybrid Electric Vehicles (HEVs)

In case of Hybrid Electric Vehicles, as defined in paragraph 2.21.2 of UN Regulation No. 83, the procedure described in UN Regulation No. 83 Annex 14 or in Annex 8 to UN GTR No. 15, as applicable, shall be applied during type I test."

Paragraph 6.2.2.4.3.1., amend to read:

"6.2.2.4.3.1. The emissions of CO₂ are calculated according to UN Regulation No. 101 or to UN GTR No. 15 as applicable, for each parent vehicle, if applicable.

In case of HEVs, special provisions of Annex 8 to UN Regulation No. 101 or calculation of Annex 8 to UN GTR No. 15, as applicable, shall be applied.

The mean of CO₂ emissions shall be calculated as follows:

...."
