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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

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Item 4.9.6. of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRPE

Proposal for Supplement 14 to the 07 series of amendments to UN Regulation No. 83 (Emissions of M₁ and N₁ vehicles)

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-third session (ECE/TRANS/WP.29/GRPE/83, para. 8). It is based on ECE/TRANS/WP.29/GRPE/2021/10, GRPE-83-15, as amended by Annex VI of the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration 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.



Annex 4a

Paragraph 5.1., amend to read:

"5.1. Test procedure

The procedure for measuring the vehicle road load is described in Appendix 7a to this annex.

As an alternative to this, the following measures may be used.

- (a) In the case where the vehicle road load has already been determined according to WLTP procedures as defined in UN GTR No. 15, the methodology, described in Appendix 7b may alternatively be used.
- (b) In the case where a vehicle road load has already been determined according to Appendix 7a to this annex, simulation of the other configurations of the vehicle which have same body shape or same transmission may be used under the condition that the type approval authority approves the simulation methodology proposed by the manufacturer.

These procedures are not required if the chassis dynamometer load is to be set according to the reference mass of the vehicle."

Annex 6

Paragraph 5.2., amend to read:

"5.2. The pressure in the crankcase shall be measured at an appropriate location. It is recommended to measure the pressure at the dip-stick hole, if feasible."

Annex 8

Paragraph 5.2.11., amend to read:

"5.2.11. A four-wheel drive vehicle shall be tested in a two-wheel drive mode of operation. The determination of the total road force for dynamometer setting is performed while operating the vehicle in its primary designed driving mode. At the request of the manufacturer a four-wheel drive vehicle shall be tested in its primary drive mode of operation."
