



# Economic and Social Council

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## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### 185th session

Geneva, 23-25 November 2021

Item 4.9.5. of the provisional agenda

#### 1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRPE

## Proposal for Supplement 17 to the 06 series of amendments to UN Regulation No. 83 (Emissions of M<sub>1</sub> and N<sub>1</sub> 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 V 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.

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\* 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 7*

*Paragraph 3.2.1.*, amend to read:

"3.2.1. The appropriate reference fuel shall be used, as defined in Annex 10 to this Regulation.

As an alternative at the choice of the manufacturer, in the case that E5 fuel has been used for the Type I test, E10 fuel may be used for the Type IV test."

*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."

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