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World Forum for Harmonization of Vehicle Regulations

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Item 4.7.5 of the provisional agenda
1958 Agreement:
Consideration of draft amendments
to existing UN Regulations submitted by GRPE

Proposal for Supplement 8 to UN Regulation No. 85 (Measurement of the net power)

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 seventy-sixth session (ECE/TRANS/WP.29/GRPE/76, para. 29). It is based on ECE/TRANS/WP.29/GRPE/2018/5, as amended by Annex VII of ECE/TRANS/WP.29/GRPE/76. 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 June 2018 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21, Cluster 3.1), 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.

Supplement 8 to UN Regulation No. 85 (Measurement of the net power)

Paragraph 5.3.1.3., amend to read:

"5.3.1.3. Immediately prior to the test, the motor shall be run on the bench for three minutes delivering a power equal to either 80 per cent of the maximum 30 minutes power or 80 per cent of the maximum peak power at a speed recommended by the manufacturer, within the speed range determined in paragraph 5.3.2.2. Following the completion of this run, the power test shall be started within a maximum of 1 minute."

Annex 5

Paragraph 5.4.2., amend to read:

"5.4.2. Diesel engines - Factor α_d

The power correction factor (α_d) for diesel engines at constant fuel rate is obtained by applying the formula:

Where $\alpha_d = (f_a)^{f_m}$

f_a is the atmospheric factor

f_m is the characteristic parameter for each type of engine and adjustment"