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Item 4.9.1 of the provisional agenda

**1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRRF**

Proposal for Supplement 14 to the 11 series of amendments to Regulation No. 13 (Heavy vehicle braking)

Submitted by the Working Party on Brakes and Running Gear*

The text reproduced below was adopted by the Working Party on Brakes and Running Gear (GRRF) at its eighty-first session (ECE/TRANS/WP.29/GRRF/81, para. 12). It is based ECE/TRANS/WP.29/GRRF/2016/19 amended by para. 11 of the session 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 June 2016 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Supplement 14 to the 11 series of amendments to Regulation No. 13 (Heavy vehicle braking)

Annex 12,

Paragraph 2.2.18., amend to read:

"2.2.18. s': effective (useful) travel of control in millimetres, determined as required by paragraph 10.4. of this annex;"

Paragraph 10.4.2.3., amend to read:

"10.4.2.3. In hydraulic braking systems: $s' = s - s''$;"

Annex 12,

Appendix 4,

Paragraph 5.8.3., amend to read:

"5.8.3.

$$\frac{s'}{2 s_B \cdot n \cdot F_{RZ} \cdot i'_g} = \dots\dots\dots$$

(shall not be less than: i_H/F_{HZ})

(shall not be greater than travel of master cylinder actuator as specified in paragraph 8.2. of Appendix 2 to this annex)"

Paragraph 5.7.6., amend to read:

"5.7.6. Braking torque when the trailer moves rearward including rolling resistance
 $n \cdot Mr = \dots\dots\dots Nm$
 (shall not be greater than: $0.08 \cdot g \cdot G_A \cdot R$)"

Paragraph 5.8.6., amend to read:

"5.8.6. Braking torque when the trailer moves rearward including rolling resistance
 $n \cdot Mr = \dots\dots\dots Nm$
 (shall not be greater than: $0.08 \cdot g \cdot G_A \cdot R$)"

