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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**190th session**

Geneva, 20-22 June 2023

Item 4.9.5 of the provisional agenda

**1958 Agreement:**

**Consideration of draft amendments to existing UN Regulations submitted by GRBP**

 Proposal for Supplement 12 to UN Regulation No. 109 (Retreaded tyres for commercial vehicles and their trailers)

Submitted by the Working Party on Noise and Tyres[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Noise and Tyres (GRBP) at its seventy-seventh session (ECE/TRANS/WP.29/GRBP/75, paras. 17 and 18). It is based on ECE/TRANS/WP.29/GRBP/2023/4, as amended by para. 17 of the report, and GRBP-77-22. 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 2023 sessions.

*Paragraph 3.5.2.*, amendto read:

"3.5.2. In the case that the date of retreading as defined in paragraph 3.2.9. is not moulded, it shall be applied not later than 5 working days after the completion of the retreading process at the facility concerned."

*Annex 10,*

*Paragraph 1.3.,* amend to read:

"1.3. "Traction test" means a series of a specified number of spin-traction test runs according to ASTM standard F1805-20 of the same tyre repeated within a short time frame."

*Paragraph 2.*,amend to read:

"2. The test procedure of ASTM standard F1805-20 shall be used to assess snow performance through the traction performance index (TPI) on medium pack snow (the snow compaction index measured with CTI penetrometer1/ shall be between 70 and 80)."

*Paragraph 2.1.*,amend to read:

"2.1. The test course surface shall be composed of a medium pack snow surface, as characterized in table A2.1 of ASTM standard F1805-20."

*Paragraph 2.2.*,amend to read:

"2.2. The tyre load for testing shall be as per option 2 in paragraph 11.9.2 of ASTM standard F1805-20. When the SRTT16 is used as reference tyre, it shall be tested with a load of 531 kg at an inflation pressure of 240 kPa (cold)."

*Insert a new paragraph 2.3.,* to read:

"2.3. The snow grip index (SG) of a candidate tyre Tn shall be computed as follows:

$$SG\left(Tn\right)=f∙\frac{TPI}{100}$$

where $f=0.987$ when using SRTT16 as reference tyre per ASTM F1805-20, and *TPI* denotes the traction performance index as defined in ASTM F1805-20."

1. \* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), 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. [↑](#footnote-ref-2)