



# Economic and Social Council

Distr.: General  
29 August 2024

Original: English

---

## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### 194th session

Geneva, 12–15 November 2024

Item 4.9.4 of the provisional agenda

#### 1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRVA

## Proposal for Supplement 5 to the 12 series of amendments to UN Regulation No. 13 (Heavy vehicle braking)

### Submitted by the Working Party on Automated/Autonomous and Connected Vehicles\*

The text reproduced below was adopted by the Working Party on Working Party on Automated/Autonomous and Connected Vehicles (GRVA) at its nineteenth session (ECE/TRANS/WP.29/GRVA/19, para. 76). It is based on informal document GRVA-19-11. 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 2024 sessions.

---

\* In accordance with the programme of work of the Inland Transport Committee for 2024 as outlined in proposed programme budget for 2024 (A/78/6 (Sect. 20), table 20.5), 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.



*Paragraph 4.5 of Annex 15.*, amend to read:

- “4.5. Type II test (downhill behaviour test):
- 4.5.1. This test is required only if, on the vehicle-type in question, the friction brakes are used for the Type-II test as required by Annex 4 paragraph 1.6 (i.e. with a six per cent slope) or 1.8.2.5 (b) (i.e. with a seven per cent slope).
- 4.5.2. Brake linings for power-driven vehicles of Category M<sub>3</sub> (except for those vehicles required to undergo a Type-IIA test according to paragraph 1.6.4. of Annex 4 to this Regulation) and Category N<sub>3</sub>, and trailers of Category O<sub>4</sub> shall be tested according to the procedure set out in paragraph 1.6.1. of Annex 4 to this Regulation.

Brake linings for power-driven vehicles of Category M<sub>3</sub> and Category N<sub>3</sub> required to undergo a Type-IIA test according to paragraph 1.6.4. of Annex 4 to this Regulation and only complying with this requirement by application of provisions of paragraph 1.8.2.5 of Annex 4 to this Regulation, shall be tested according to the procedure set out in paragraph 1.8.2.5 (b) of Annex 4 to this Regulation.”

---