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#### World Forum for Harmonization of Vehicle Regulations

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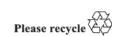
Geneva, 12–15 November 2024 Item 4.9.4 of the provisional agenda 1958 Agreement: Consideration of draft amendments to existing UN Regulations submitted by GRVA

# 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.

<sup>\*</sup> 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  $M_3$  and Category  $N_3$  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."