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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

187th session
Geneva, 21-24 June 2022
Item 4.8.5 of the provisional agenda
1958 Agreement:
Consideration of draft amendments to existing UN Regulations submitted by GRVA

Proposal for a Supplement 4 to UN Regulation No. 13-H (Braking of light vehicles)

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

The text reproduced below was adopted by the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) at its twelfth session (see ECE/TRANS/WP.29/GRVA/12, para. 83). It is based on ECE/TRANS/WP.29/GRVA/2022/10, amended by GRVA-12-24. 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 2022 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2022 as outlined in proposed programme budget for 2022 (A/76/6 (part V sect. 20) para 20.76), 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 5.2.22.2. (and subparagraphs), amend to read:

"5.2.22.2. Requirements for vehicles equipped with automatically commanded braking and/or regenerative braking which produce a retarding force (e.g. upon release of the accelerator control).[6]

Deceleration by automatically commanded braking and/or regenerative braking	
≤ 1.3 m/s^2	> 1.3 m/s^2
May generate the signal	Shall generate the signal

[6] At the time of type approval, compliance with this requirement shall be confirmed by the vehicle manufacturer.

Once generated, the signal shall be kept as long as a deceleration demand persists. However, the signal may be suppressed at standstill or when the deceleration demand falls below 1.3 m/s² or that value which generated the signal, whichever is lower.

An appropriate measure (e.g. switch-off-hysteresis, averaging, time delay) shall be implemented in order to avoid fast changes of the signal resulting in flickering of the stop lamps."