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**Economic Commission for Europe**

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[[1]](#footnote-2)\*

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.

*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/s2 | > 1.3 m/s2 |
| 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."

1. \* 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. [↑](#footnote-ref-2)