

Proposal for amendments to ECE/TRANS/WP29/2021/73

Proposal for a Supplement to the 01 series of amendments to
UN Regulation No. 13-H (Passenger Car Braking)

This document seeks clarification on the provisions introduced to paragraph 5.2.22.2. as part of document ECE/TRANS/WP.29/2021/73 endorsed by WP29 at its June 2021 session.

I. Proposal

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

$\leq 1.3 \text{ m/s}^2$

$> 1.3 \text{ m/s}^2$

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 that value which generated the signal.**

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."

II. Justification

Industry received different interpretation from authorities and technical services on how the requirements of paragraph 5.2.22.2. are to be understood with regard to the conditions under which the signal is still to be generated.

The proposed amendment seeks clarification on this issue.
