

Proposal from India for a draft amendment to Regulation No. 13 (Braking)

(Comments on ECE/TRANS/WP.29/GRRF/2007/3)

A. PROPOSAL

Annex 13, paragraph 4.3., amend to read:

“4.3. In the event of a failure as defined in paragraph 4.1. above, the following requirement shall apply:

Motor vehicles: The braking performance shall be that prescribed **secondary braking performance** for the vehicle in question in the event of a failure of part of the transmission of the service braking system as defined in paragraph **5.2.1.2.8.** of this Regulation.

Trailers: The residual performance shall be that defined in paragraph 5.2.2.15.2. of this Regulation.”

B. JUSTIFICATION

For Regulations Nos. 13 or 13-H, the brake system is constructed that for any case of failure, the minimum secondary braking performance has to be met. The function of ABS (R13 - Annex 13) is to make the best possible distribution of braking forces between front and rear brakes and enhance the brake performance. Failure of ABS shall not dilute the safety feature requirement lower than that of secondary brake performance.

For Regulation No. 13-H. at Annex 4.2., failure of ABS calls for 80% prescribed service brake performance in engine disconnected condition, which is higher and safer than secondary brake performance.

Hence, it is recommended to prescribe minimum secondary brake performance for motor vehicles.

In case of failure in trailers, braking performance can be limited to residual brake performance.

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