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Regulation No. 107 (M_2 and M_3 vehicles): Proposal for further amendments

Proposal for Supplement 3 to the 04 series of amendments to Regulation No. 107 (M_2 and M_3 vehicles)

Submitted by the expert from Italy*

The text reproduced below was prepared by the expert from Italy to introduce requirements allowing the installation of systems to control the access of passengers on board. The modifications to the existing text of the Regulation are marked in bold characters.

* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

I. Proposal

Annex 3, paragraph 7.7.5.1., amend to read:

"7.7.5.1. The gangway(s) of a vehicle shall be so designed and constructed as to permit the free passage of a gauging device consisting of two co-axial cylinders with an inverted truncated cone interposed between them, the gauging device having the dimensions shown in Annex 4, figure 6.

The gauging device may come into contact with strap hangers, if fitted, or other flexible objects such as seat belt components and move them easily away;

In vehicles of classes I and A, the gauging device according to Annex 4, figure 6 shall not come into contact with any monitor or display device mounted from the ceiling above the gangway. **The gauging device according to Annex 4, figure 6, may come into contact with a turnstile or a barrier mounted after the service door to check the access of the passengers provided that the maximum force necessary to move such barrier out of the way, when applying the gauging device along the gangway in both directions, does not exceed [50] Newton.**

In vehicles of classes II, III and B, the gauging device according to Annex 4, figure 6 may come into contact with any monitor or display device mounted from the ceiling above the gangway provided the maximum force necessary to move any such monitor or display device out of the way, when applying the gauging device along the gangway in both directions, does not exceed 20 Newton. After being moved out of the way, the monitor or display device shall remain in the retracted position."

II. Justification

The installation of systems to control the access of passengers on board is often required by transport operators. Therefore, safety requirements to ensure that passengers can easily evacuate the bus should be established and applied to both situations accordingly, system installed by the bus manufacturer or installed in a second stage by the transport operator. For this reason, it is proposed that the access control system, which may be a turnstile or a barrier shall easily be moved in both directions under a force of 50 Newton (see examples below).

Examples of turnstile/barrier