

UN ECE Regulation No. 107
4th meeting of the GRSG Informal Group on
Service Doors, Windows and Emergency Exits of buses and coaches

Proposals to amend UN ECE Regulation No. 107 (M2 and M3 vehicles)

1. “Accessibility of emergency exits, including assessment of current gauges relevance”

1.a. Function of emergency windows

Insert new paragraph 7.6.8.7., to read:

“7.6.8.7. Any film (e.g. for advertising, anti-vandalism, etc.) laminated to the inside and/or outside of an emergency window shall not prevent or inhibit the function as emergency exit. Proof of the correct function shall be demonstrated to the satisfaction of the Technical Service.”

1.b. Access to emergency windows in the rear face

Paragraph 7.7.3.3., amend to read:

„7.7.3.3.the test gauge may alternatively have a size of 1,400 mm x 350 mm with corners radiused by 175 mm and the intrusion of headrests of seats or other parts of seats shall be allowed provided they can be easily moved out of the way.“

Note of the Secretariat:

SDWEE-04 decided to postpone the discussions about this proposal to a later stage.

1. 3. Dimensions of the escape hatches in the roof

Paragraph 7.6.3.1.5., amend to read:

“7.6.3.1.5. An escape hatch shall have a hatch aperture with a minimum area of 450,000 mm². It shall be possible to inscribe in this area a rectangle measuring 600 mm x 700 mm.”

1.4. Access to escape hatches in the roof

Delete paragraphs 7.7.4.1.1., 7.7.4.1.2. and their related figure 26

~~7.7.4.1. — Escape hatches in the roof~~

~~7.7.4.1.1. — Except in the case of Class I and A vehicles, at least one escape hatch shall be located such that a four-sided truncated pyramid having a side angle of 20 degrees and a height of 1,600 mm touches part of a seat or equivalent support. The axis of the pyramid shall be vertical and its smaller section shall contact the aperture area of the escape hatch. Supports may be foldable or~~

~~movable provided they can be locked in their position of use. This position shall be taken for verification.~~

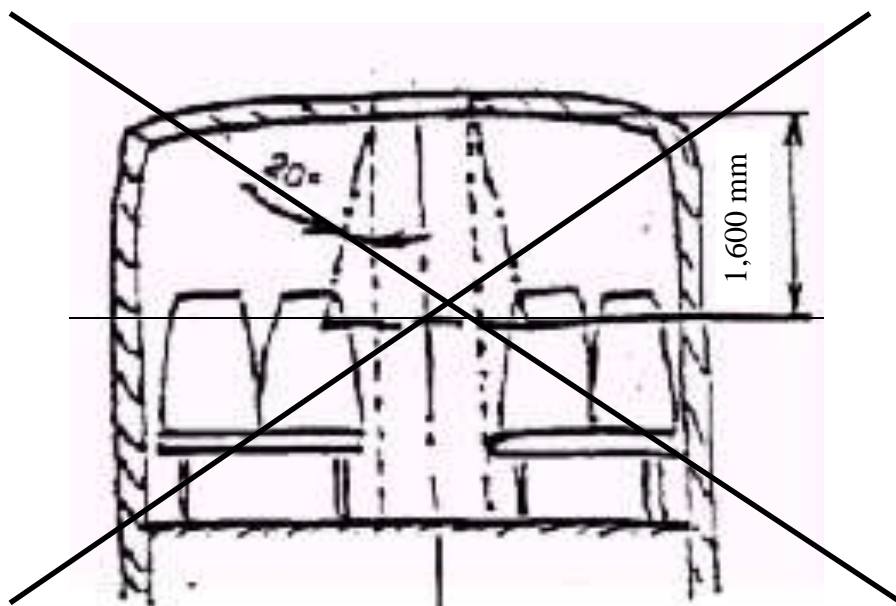
~~7.7.4.1.2. When the structural thickness of the roof is more than 150 mm, the smaller section of the pyramid shall contact the aperture area of the escape hatch at the level of the outside surface of the roof.~~

Figure 26

(reserved)

ROOF ESCAPE HATCH ACCESS

(see Annex 3, paragraph 7.7.4.1.1.)



Justification:

Reports on bus accidents have shown that the emergency hatches in the roof are only used when the bus or coach has tilted. While the bus or coach is in the driving position the emergency hatches are not used by the passengers in the case of emergency. Therefore it seems justifiable that no exit support is required.

2. Height of first step into the vehicle at emergency doors

Annex 4, Figure 8 “Steps for passengers”

Footnote (1), amend to read:

- (1) 700 mm in the case of an emergency door **in a single-deck vehicle or the lower deck of a double-deck vehicle.**
1,500 mm in the case of an emergency door in the upper deck of a double-deck vehicle.
~~850 mm maximum in the case of an emergency door in the lower deck of a double-deck vehicle.~~

Note of the Secretariat:

SDWEE-04 decided not to amend this paragraph and to keep the current text of the Regulation.

3. *Over night locking*

Definitions:

Insert a new paragraph 2.41., to read:

“2.41. Overnight locking system means a system designed to provide the possibility to secure the service and emergency doors of the vehicle against opening”

Annex 3:

Insert new paragraphs 7.6.4.11 to 7.6.4.11.2., to read:

“7.6.4.11. If an overnight locking system is provided, the following shall apply:

7.6.4.11.1. the locking system shall have been automatically deactivated when the ignition is in the “ON” position or

7.6.4.11.2. A warning shall be provided to the driver indicating that the overnight locking system remains in operation at one or more door(s) when the ignition is in the “ON” position. One signal may be used for more than one door.”

Insert a new paragraph 7.6.7.7., to read:

“7.6.7.7. If a overnight locking system is provided, the provisions of paragraphs 7.6.4.11. to 7.6.4.11.2. shall apply.”