

Proposal for amendment to the 06 series of amendments to UN Regulation No. 107 (M₂ and M₃)

This document is an improved version of ECE/TRANS/WP.29/GRSG/2013/17, according to the decision of GRSG (see paragraph 18. of the report, No. ECE/TRANS/WP.29/GRSG/83), and it supersedes the above document. The modifications to the current text of the Regulation are marked in bold characters.

Proposal

Annex 3, paragraphs 7.7.4.1. to 7.7.4.1.2., amend to read:

"7.7.4.1. Access to escape hatches, **when the vehicle is lying on either side**

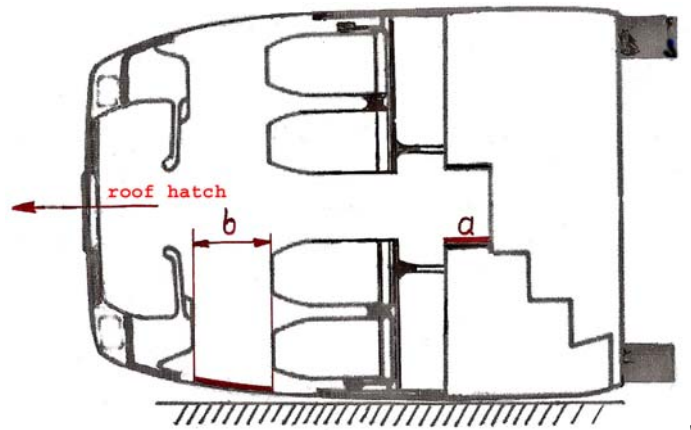
Free motion of the passengers shall be assured along the internal wall of the vehicle to reach the roof hatches. This requirement is met if at least one of the following two requirements is fulfilled (see Figure 26 in Annex 4):

7.7.4.1.1. **There is a sunken gangway having a minimum vertical distance "a" between the gangway surface and the floor of the seating area of [150] mm, or**

7.7.4.1.2. **There is a free height "b" of not less than [400] mm measured from the highest point of each seatback."**

Annex 4, Figure 26, replace the existing figure as follows:

"Figure 26 Roof escape hatch access (see Annex 3, paragraph 7.7.4.1.)

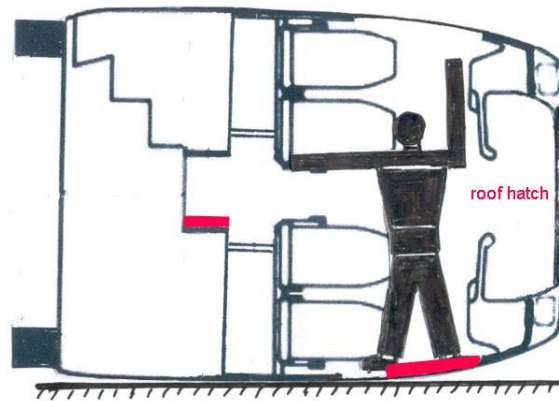


Justification

- At the 103rd GRSG meeting the experts agreed that the escape hatch can not be used when the bus is standing on its wheels, or on its roof. But it could be useful emergency exit, when the bus is lying on its side. In this case the passengers have to move along the internal wall of the vehicle to reach the closest escape hatch.

- The sketch below shows two, almost horizontal surfaces for the passenger's motion ("a" in the gangway and "b" on the side walls)
- The gangway can not be used automatically, if there is no horizontal surface, on which the passengers can place their feet and move. Sunken gangway is needed.
- Better way is the horizontal "b" surface on the side wall.
- Some photos from real accidents help to imagine this situation, the escape or rescue of the passengers.
- The situation could be worse, if passengers, using seat belt are hanging on the belt, or without belt they fell onto each other

Sketch



Photos about real accidents



