Transmitted by the expert from the Russian Federation

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Technical requirements for the design of "sleeping coaches" in the Russian Federation

Technical requirements

Nº 451740.02-2003

6. Changes of design

6.1 Requirements for sleeping places (bunks) in a bus.
6.1.1 All bunks must be oriented only laterally.
6.1.2 Each bunk must have direct access to a gangway from at least one side. The width of the gangway must match the gangway width of a class III bus according to ECE Regulation No. 36.03.
6.1.3 The bunks must be equipped with a safety board not less than 15 cm high and at least 40 cm long, located in the middle third of bunk length.
6.1.4 The safety board must withstand transverse static load of at least 700N.
6.1.5 The safety board must not have any dangerous brims or protrusions.
6.1.6 It is possible to use two-point safety belts if safety boards are not installed.
6.1.7 If a bunk is placed higher than 100 cm above the floor, it must have stairs and handles (hand-rails) to ease access to the bunk. The stairs must not make the gangway narrower than the minimal required width.
6.1.8 The top of a bunk must be soft.
6.1.9 Each bunk must have not less than 80 cm of free space above without compressing the soft bunk.
6.1.10 The upper bunk surface must be located not less than 30 cm above the gangway floor.
6.1.11 The width of a bunk must not be less than 42 cm.
6.1.12 The length of a bunk must be 170 cm or more.
6.1.13 Neighbouring in the lateral direction bunks must be separated by a partition-wall at least 20 cm high above the uncompressed bunk surface.
6.1.14 Recommended bunk placement plans are available in appendix A.