

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

Technical requirements

N° 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.



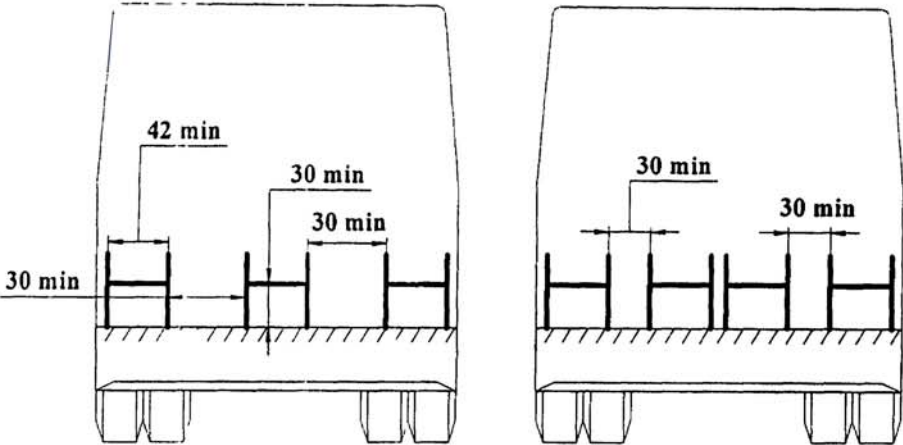


Fig.1

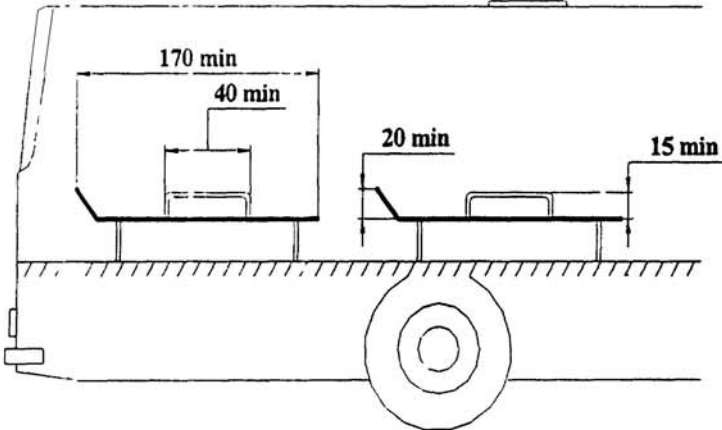


Fig.2

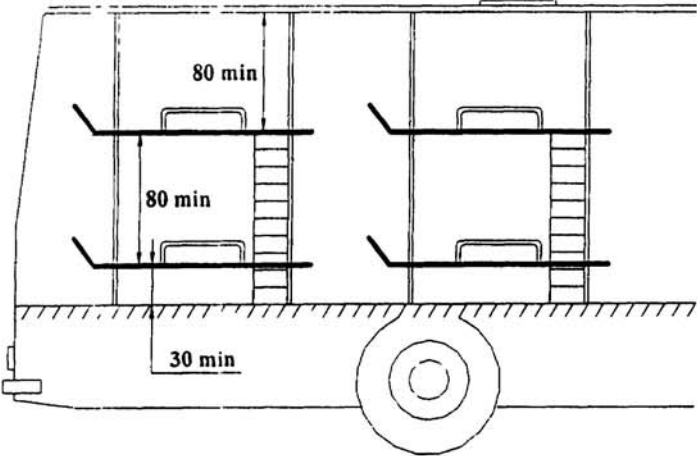


Fig.3
