

Regulation No. 107

(M<sub>2</sub> and M<sub>3</sub> vehicles)

Provisions for driver's workplace

Proposal for amendments to Regulation No. 107

Proposal submitted by the expert from France

The text reproduced below was prepared by the expert from France in order to insert into the Regulation requirements for the compartment and seat of the driver. It supersedes document ECE/TRANS/WP.29/GRSG/2007/8/Rev.1 and GRSG-95-6 and takes into account comments received during the ninety-fourth session of the Working Party on General Safety Provisions (GRSG) (ECE/TRANS/WP.29/GRSG/73, para. 18) and document GRSG-95-17 by OICA.

A. PROPOSAL

Annex 3, insert new paragraphs 7.7.13. to 7.7.14.7.1., to read:

"7.7.13. Driver's compartment

7.7.13.1. The driver shall be protected from standing passengers and from passengers seated immediately behind the driver's compartment who may be projected into the driver's compartment in the event of braking or cornering. This requirement shall be deemed to be satisfied if:

7.7.13.1.1. the rear of the driver's compartment is enclosed by a partition; or

7.7.13.1.2. **in the case of passenger seats located immediately behind the driver's compartment either a guard or, in the case of a vehicle of Class A or B, a seat belt is fitted. For vehicles having an area available for standing passengers immediately behind the driver's compartment, the option of fitting a seat belt shall not apply. Where fitted, a guard shall comply with the requirements specified in paragraphs 7.7.13.1.2.1. to 7.7.13.1.2.3. (see annex 4, figure 30).**

~~7.7.13.1.3. in the case where the floor of the driver's compartment and that of the relevant passenger seating area are at approximately the same height, with no steps between them, the passenger seats are fitted with safety belts in accordance with Regulation No. 16; or~~

~~7.7.13.1.4. the vehicle is fitted with a guard complying with the requirements specified in paragraphs 7.7.13.1.3.1. to 7.7.13.1.3.3. (see annex 4, figure 30).~~

- 7.7.13.1.2.1. The minimum height of the guard measured from the floor on which the passenger's feet rest shall be 800 mm.
- 7.7.13.1.2.2. The width of the guard shall extend inwards from the wall of the vehicle at least as far as 100 mm beyond the longitudinal centre line of the innermost relevant passenger seat, but in any case shall extend at least as far as the innermost point of the driver's seat.
- 7.7.13.1.2.3. The distance between the uppermost edge of an area destined to hold any object (e.g. a table) and the uppermost edge of a guard shall be at least 90 mm.
- 7.7.13.2. The driver's compartment shall be protected from objects liable to roll into it from the passenger area immediately behind the compartment in the case of heavy braking. This requirement shall be deemed to be satisfied when a ball of 50 mm diameter cannot roll into the driver's compartment from the passenger area immediately behind the compartment.
- 7.7.13.3. The driver shall be protected from the sun and from the effects of glare and reflections caused by artificial interior lighting and street lighting. Any lighting likely to affect adversely and significantly the driver's vision shall be capable of being operated only while the vehicle is at rest.
- 7.7.13.4. The vehicle shall be provided with devices allowing defrosting and demisting of the windscreen.
- 7.7.14. Driver's seat
- 7.7.14.1. The driver's seat shall be independent of other seats.
- 7.7.14.2. The seat back shall either be curved or the driver's area shall be provided with armrests positioned in such a way that the driver is neither constrained during vehicle manoeuvring operations, nor becomes unbalanced by transverse accelerations which can occur in service.
- 7.7.14.3. The minimum width of the seat cushion, (dimension F, see annex 4, figure 9) measured from a vertical plane passing through the centre of the seat, shall be:
  - 7.7.14.3.1. 200 mm in the case of Class A or B;
  - 7.7.14.3.2. 225 mm in the case of Class I, II or III.
- 7.7.14.4. The minimum depth of the seat cushion, (dimension K, see annex 4, figure 11a) measured from a vertical plane passing through the centre of the seat, shall be:
  - 7.7.14.4.1. 350 mm in the case of Class A or B;
  - 7.7.14.4.2. 400 mm in the case of Class I, II or III.

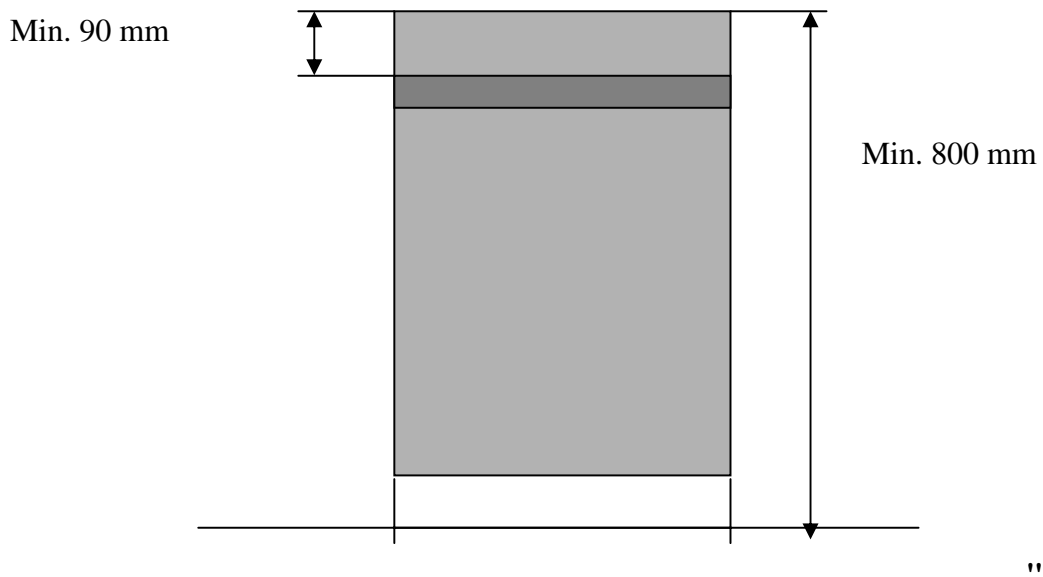
- 7.7.14.5. The minimum overall width of the seat back measured up to a height of 250 mm above the horizontal plane tangential to the uppermost surface of the uncompressed seat cushion shall be 450 mm.
- 7.7.14.6. The distance between armrests shall ensure a free space for the driver, as defined in paragraph 7.7.14.2., of not less than 450 mm.
- 7.7.14.7. The seat shall be adjustable in its longitudinal and vertical positions and in its seat back inclination. It shall lock automatically in the selected position and, if fitted with a swivelling mechanism, it shall lock automatically when in the driving position. The seat shall be equipped with a suspension system
- 7.7.14.7.1. The suspension system and the vertical position adjustment are not mandatory for vehicle of Class A or B derived from vehicles of categories M1 or N1."

Paragraph 7.8.3., amend to read:

- "7.8.3. **(Reserved)** ~~Provisions shall be made to protect the driver from the effects of glare and reflections caused by artificial interior lighting. Any lighting likely to affect adversely and significantly the driver's vision shall be capable of being operated only while the vehicle is at rest.~~"

Annex 4, insert a new Figure 30, to read:

"Figure 30



**B. JUSTIFICATION**

This proposal aims to introduce a minimum of harmonized requirements for driver's workplace.

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