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World Forum for Harmonization of Vehicle Regulations

Working Party on General Safety Provisions

Ninety-second session

Geneva, 23-26 October 2007

Item 3 (g) of the provisional agenda

Regulation No. 107

(M₂ and M₃ 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 is based on document ECE/TRANS/WP.29/GRSG/2007/8 and takes into account comments received during the ninety-second session of the Working Party on General Safety Provisions (GRSG)

^{*/} In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles with respect to noise. The present document is submitted in conformity with that mandate.

(ECE/TRANS/WP.29/GRSG/71, para. 17). The modifications to the text of the document ECE/TRANS/WP.29/GRSG/2007/8 are marked in **bold** or ~~striketrough~~ characters.

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. Partitions or barriers shall protect the driver from standing passengers and from unbelted passengers seated immediately behind the driver's compartment who may be projected into the driver's compartment in the event of braking or cornering. **The general requirements of 7.7.13.1 shall be deemed to be met if the vehicle complies with the example given in paragraphs 7.7.13.1.1. to 7.7.13.1.3.**

7.7.13.1.1. The height of the partition or barrier shall equal at least 800 mm measured from the floor of the passenger compartment (see annex 4, figure 31).

7.7.13.1.2. The width of the partition or barrier shall be at least 100 mm on both sides of the vertical median plane through the centre line of the seat.

7.7.13.1.3. The distance between the uppermost edge of an area destined to hold any object, e.g. tables, etc. and the uppermost edge of a partition or barrier shall be at least 90 mm (see annex 4, figure 31).

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 met 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 exterior 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 in such a way that the driver is neither constrained during vehicle manoeuvring operations, nor unbalanced by transverse accelerations which can occur in service.

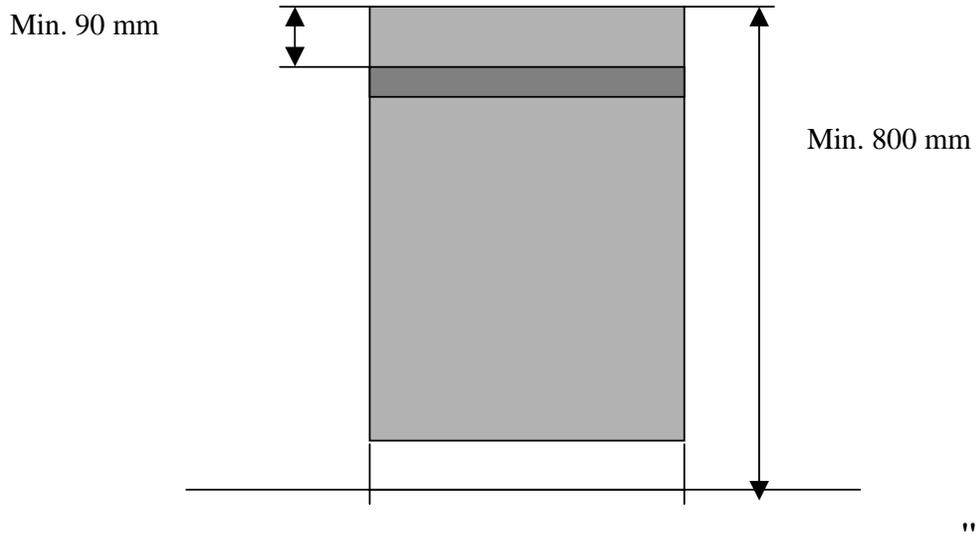
- 7.7.14.3. The minimum width of the seat cushion, (**dimension F, see annex 4, figure 9**) measured from a vertical plane passing through the centre of the seat, shall be:
- 7.7.14.3.1. 200 mm in the case of Class A or B;
- 7.7.14.3.2. 225 mm in the case of Class I, II or III.
- 7.7.14.4. The minimum 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 equipped with a suspension system. It 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.**
- 7.7.14.7.1. The system of suspension and the vertical adjustment of the position of the seat are not mandatory for the vehicle of classes A or B derived from M1 or N1 vehicles."

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 the following new figure 31:

"Figure 31



B. JUSTIFICATION

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