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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

World Forum for Harmonization of Vehicle Regulations

Working Party on General Safety Provisions

Ninety-seventh session  
Geneva, 20 - 23 October 2009  
Item 3(b) of the provisional agenda

**REGULATION No. 107  
(M<sub>2</sub> and M<sub>3</sub> vehicles)**

Requirements for service doors, windows and emergency exits

Proposal for draft amendments to Regulation No. 107

Submitted by the expert from France \*/

The text reproduced below was prepared by the expert from France in order to clarify the dimensions of escape hatches in vehicles of Class B. It is based on informal document GRSG-96-08. The modifications to the current text of the Regulation are marked in bold or strikethrough characters.

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\*/ 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. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Insert new paragraphs 10.13. to 10.15., to read:

- "10.9. As from the official date of entry into force of the Supplement [6] to the 02 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by the Supplement [6] to the 02 series of amendments.**
- 10.10. As from 12 months after the date of entry into force of the Supplement [6] to the 02 series of amendments, Contracting Parties applying this Regulation shall grant approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by Supplement [6] to the 02 series of amendments.**
- 10.11. As from 24 months after the entry into force of Supplement [6] to the 02 series of amendments, Contracting Parties applying this Regulation may refuse to grant national/regional approvals and first national registration (first entry into service) of a vehicle which does not meet the requirements of Supplement [6] to the 02 series of amendments to this Regulation."**

Annex 7, paragraph 1.1., amend to read:

"1.1. Minimum dimensions for exits

The several kinds of exits shall have the following minimum dimensions:

Aperture	Dimensions	Remarks
Service Door	<u>Entry height:</u> Class A 1,650 mm B 1,500 mm	The service door entry height shall be measured as the vertical distance measured on a vertical plane of the horizontal projections of the mid point of the door aperture and the top surface of the lowest step.
	Aperture Height	The vertical height of the service door aperture shall be such as to permit the free passage of the dual panel referred to in paragraph 7.7.1.1. of Annex 3. The upper corners may be reduced with round-offs, with a radius of not more than 150 mm.
	<u>Width:</u> Single door: 650 mm Double door: 1,200 mm	For Class B vehicles where the service door aperture height lies between 1,400 mm and 1,500 mm a minimum single door aperture width of 750 mm shall apply. For all the vehicles the width of any service door may be reduced by 100 mm when the measurement is made at the level of the handholds and by 250 mm in cases where intruding wheel arches or the actuating mechanism for automatic or remote-control doors or the rake of the windscreen so require.
Emergency door	Height: 1,250 mm  Width: 550 mm	The width may be reduced to 300 mm in cases where intruding wheel arches so require, providing that the width of 550 mm is respected at the minimum height of 400 mm above the lowest part of the door aperture. The upper corners may be reduced with round-offs, with a radius of not more than 150 mm.
Emergency Window and Escape hatch	Aperture area: <b>400,000 mm<sup>2</sup></b>	<del>A 5 per cent tolerance shall, however, be permitted in respect of this area for type approvals issued for one year following the entry into force of this Regulation.</del> It shall be possible to inscribe in this area a rectangle of 500 mm x 700 mm.

**B. JUSTIFICATION**

Paragraph 7.6.3.2. of Annex 3 and paragraph 1. of Annex 7 allows service doors, emergency doors, emergency windows and escape hatches of vehicles of Classes A and B to comply with either the requirements prescribed in paragraph 7.6.3.1. of Annex 3, or the alternative requirements of paragraph 1.1. of Annex 7. However, paragraph 1.1. of Annex 7 does not specify minimum dimensions for escape hatches which may be interpreted in a way that escape hatches are not required to meet the minimum dimensions when these alternative requirements are complied with. This is contrary to paragraph 7.6.1.11. of Annex 3 which requires one escape hatch in vehicles of Class B and optional escape hatches in vehicles of Class A.

It is proposed to delete the 5 per cent tolerance relative to the aperture area of emergency windows. The tolerance was permitted for new approvals granted to the 01 series of amendment to Regulation No. 107 between 12 August 2004 and 12 August 2005 and lost its validity before the 02 series of amendment to Regulation No. 107 entered into force on 10 November 2007.

Transitional provisions have been included as agreed during the 96<sup>th</sup> session of GRSG.

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