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World Forum for Harmonization of Vehicle Regulations (WP.29)  
(One-hundred-and-twenty-fifth session,  
6-9 November 2001, agenda item 5.2.6.)

PROPOSAL FOR DRAFT SUPPLEMENT 6 TO THE 03 SERIES  
OF AMENDMENTS TO REGULATION No. 36

(Large capacity passenger vehicles)

Transmitted by the Working Party on General Safety Provisions (GRSG)

Note: The text reproduced below was adopted by GRSG at its eightieth session, and is transmitted for consideration to WP.29 and to AC.1. It is based on documents TRANS/WP.29/GRSG/2000/17, as amended, TRANS/WP.29/GRSG/2001/2, not amended, and TRANS/WP.29/GRSG/58, annex 2 (TRANS/WP.29/GRSG/59, paras. 7 and 10).

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<http://www.unece.org/trans/main/welcwp29.htm>

Paragraph 2.9., amend to read:

"2.9.            "Escape hatch" means an opening in the roof or floor intended for use as an exit by passengers in an emergency only."

Paragraph 5.5.2.2., amend to read:

"5.5.2.2.       No part of fuel filler-holes shall be less than 50 cm from any service door or emergency door aperture when the fuel tank is intended to contain petrol, and not less than 25 cm when it is intended to contain diesel fuel; they shall moreover not be in the passenger compartment, nor in the driver's compartment. Fuel-filler-holes shall not be so located that there is a risk of fuel falling on to the engine or exhaust system during filling."

Paragraph 5.6.1.6., amend to read:

"5.6.1.6.       Each rigid section of an articulated vehicle shall be treated ... the minimum number of exits. A number of passengers ..."

Paragraph 5.6.1.9., amend to read:

"5.6.1.9.       Escape hatches, additional to the emergency doors and windows, shall be fitted in Class II and Class III vehicles. They may also be ..... "

Paragraph 5.6.2.2., amend to read:

"5.6.2.2.       Two of the doors shall be separated such that the distance between transverse vertical planes through their centres of area is not less than 40 per cent of the overall length of the passenger compartment measured parallel to the longitudinal axis of the vehicle.

In the case of an articulated vehicle, this requirement shall be fulfilled if two doors of the different sections are separated such, that the distance between the doors is not less than 40 per cent of the overall length of the combined passenger compartment (all sections). In either case, if one of these doors forms part of a double door this distance shall be measured between the doors which are furthest apart."

Paragraph 5.6.2.4., amend to read:

"..... respectively. For Class I vehicles and for vehicles with a rear part permanently closed off from the passengers' compartment, this provision is fulfilled if an escape hatch is fitted."

Paragraph 5.6.2.7., amend to read:

"..... middle third of the vehicle; if there are two hatches, ....."

Paragraphs 5.6.9.1. and 5.6.9.2., amend to read:

- "5.6.9.1. Every escape hatch shall operate so as not to obstruct the clear passage from inside or outside the vehicle.
- 5.6.9.2. Roof escape hatches shall be either ejectable, hinged or made of readily breakable safety glass. Floor hatches shall be either hinged or ejectable and shall be fitted with an audible warning device to warn the driver when it is not securely closed. The floor escape hatch lock, and not the movement of the hatch itself, shall actuate this device. Floor escape hatches shall be proofed against unintentional operation. However this requirement shall not apply if the floor hatch is locked automatically when the vehicle is moving at a speed exceeding 5 km/h."

Insert new paragraphs 5.6.9.3. to 5.6.9.5., to read:

- "5.6.9.3. Ejectable types shall not become totally detached from the vehicle when operated such that the hatch is not a danger to other road users. The operation of ejectable escape hatches shall be such that inadvertent operation is effectively prevented. Floor ejectable hatches shall eject only into the passenger compartment.
- 5.6.9.4. Hinged escape hatches shall hinge along the edge towards the front or rear of the vehicle and shall hinge through an angle of at least 100 degrees. Hinged floor escape hatches shall hinge into the passenger compartment.
- 5.6.2.9.5. Escape hatches shall be capable of being easily opened or removed from the inside and from the outside. However, this requirement shall not be construed as precluding the possibility of locking the escape hatch for the purpose of securing the vehicle when unattended, provided that the escape hatch can always be opened or removed from the inside by the use of the normal opening or removal mechanism. In the case of a readily-breakable hatch, a device shall be provided adjacent to the hatch, readily available to persons inside the vehicle, to ensure that the hatch can be broken."

Insert a new paragraph 5.7.4.1., to read:

- "5.7.4.1. Escape hatches in the roof"

Paragraphs 5.7.4.1. and 5.7.4.2.(former), renumber as paragraphs 5.7.4.1.1. and 5.7.4.1.2.

Insert a new paragraph 5.7.4.2., to read:

"5.7.4.2.       Escape hatches in the floor

In the case of an escape hatch fitted in the floor, the hatch shall give direct and free access to the exterior of the vehicle and be fitted where there is a clear space above the hatch equivalent to the height of the gangway. Any heat source or moving components shall be at least 500 mm from any part of the hatch aperture.

It shall be possible to move a test gauge in the form of a thin plate having 600 mm x 400 mm with corners radiused by 200 mm in a horizontal position from a height above the floor of the vehicle of 1.00 m to the ground."

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