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ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Passive Safety

Forty-fifth session

Geneva, 25-29 May 2009

Item 14(a) of the provisional agenda

REGULATION No. 29
(Cabs of commercial vehicles)

Proposal for draft 03 series of amendments to Regulation No. 29

Draft corrigendum to ECE/TRANS/WP.29/GRSP/2007/15

Submitted by the expert from Sweden */

The text reproduced below was prepared by the expert from Sweden in order to replace the former justification of ECE/TRANS/WP.29/GRSP/2007/15. It is based on a document without a symbol (informal document No. GRSP-44-07) distributed during the forty-fourth session of the Working Party on Passive Safety (GRSP). The modifications to the current text of ECE/TRANS/WP.29/GRSP/2007/15 are marked in bold or strikethrough characters.

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

A. PROPOSAL

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B. JUSTIFICATION

~~During the forty first GRSP May 2007 session, the expert from Sweden introduced a new proposal for draft amendments (GRSP 41-11). This proposal is focusing mainly on the occupant survival space.~~

The reason behind the proposal from Sweden is to give a new structure to the Regulation. The current Regulation has an old style. In some areas there are also technical changes proposed to the current text. The Swedish proposal is not complete. When the test methods have been agreed the proposal can be finalized.

- (a) In paragraph 2, definitions have a broader extent in order to improve the current text of the Regulation.**
- (b) The idea behind paragraph 5 is to have all requirements in that section. In the current Regulation there are requirements also in the annexes. In paragraphs 5.1.1. to 5.1.8. there are general requirements applicable to all cabs. In paragraphs 5.2.1. and 5.2.2. there are survival spaces required after the test or a test applicable to all cabs.**
- (c) Paragraph 5.3. includes a test applicable for cabs on vehicles of category N₁ and N₂ with a maximum vehicle mass not exceeding 7.5 tons. It is not yet clarified if the test for cabs on vehicles of categories N₁ and N₂ with a maximum mass not exceeding 7.5 tons can be applied for vehicles of category N₂ with a gross vehicle mass exceeding 7.5 tons and to N₃ category of vehicles. The section has to be filled in when the tests are approved.**
- (d) Paragraph 5.4 includes tests applicable to vehicle cabs of category N₂ with a gross vehicle mass exceeding 7.5 tons and N₃. Paragraph 5 has to be completed when the tests are approved.**
- (e) Paragraph 7, conformity of production, has been updated with paragraph 7.4.**
- (f) A model for information document has been included in Annex 1, part I. It should be useful for both the manufacturer and the technical service.**
- (g) Annex 3 has been dedicated to the requirements for set-up test. It includes details about the engine the trucks shall be equipped with during the test, the equipment in the cab during the test; the position of the cab, steering mechanism and seat positioning of the manikin during tests.**
- (h) Annex 3 –Appendix 1, Instructions for securing vehicle to the test bed have to be completed when the test (type etc.) is approved.**
- (i) Annex 4 includes the test procedure for frontal impact. It has to be finalized when the test (type etc.) is approved.**
- (j) Annex 5 includes a test procedure for 90 degree rollover (impact on the A-pillar). It should be finalized when the test is approved.**

- (k) Annex 6 includes a test procedure for 180 degree rollover. It has to be finalized when the test is approved.**
- (l) Annex 7 includes a procedure for determining the H-point. Unchanged.**
- (m) Annex 7 – Appendix 1. Description of the three-dimension H-point machine. Unchanged.**
- (n) Annex 8. Reference data concerning seating position. Unchanged.**
