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AMENDMENTS TO OTHER REGULATIONS UNDER THE 1958 AGREEMENT

Regulation No. 43 (Safety glazing)

Proposal for draft amendments to Regulation No. 43

Submitted by the expert from France

The text reproduced below was prepared by the expert from France allowing testing the windshields of N₁ category vehicles according to the same provisions as the windshields of M₁ category vehicles. The text is based on informal document No. GRSG-91-33, distributed during the ninety-first session of the Working Party on General Safety Provisions (GRSG) (ECE/TRANS/WP.29/GRSG/70, para. 32). The modifications to ECE/TRANS/WP.29/2007/10, which is expected to be considered by the World Forum for Harmonization of Vehicle Regulations (WP.29) at its March 2007 session, are marked in **bold** or ~~strikethrough~~ characters.

Note: This document is distributed to the Experts on General Safety Provisions only.

A. PROPOSAL

Annex 3,

Paragraph 9.1.2.2., amend to read (footnote 8/ not amended):

- "9.1.2.2. For **the** windcreens of M₁ vehicles ~~and N₁ 8/ vehicles derived from a M₁ vehicle,~~
~~having the same:~~
- ~~(a) driver's seat reference point~~
 - ~~(b) windscreen dimensional characteristics~~
 - ~~(c) windscreen inclination angle~~

the test shall be carried out in test area B defined in Annex 18, paragraph 2.3., excluding any opaque obscuration impinging on it.

For the windcreens of N₁ vehicles the same test may be carried out either in test area B defined in Annex 18, paragraph 2.3., excluding any opaque obscuration impinging on it, or in the zone I defined in paragraph 9.2.5.2.3. of this annex.

For windcreens of other categories "

Paragraph 9.2.2.1., amend to read:

- "9.2.2.1. For ~~windcreens of M₁ vehicles and N₁ vehicles restricted as described under paragraph 9.1.2.2.,~~ **vehicle category M₁** in test area A, extended to the median plane of the vehicle, and in the corresponding part of the windscreen symmetrical to it about the longitudinal median plane of the vehicle, and also in the reduced test area B according to paragraph 2.4. of Annex 18."

Paragraph 9.2.2.2., amend to read:

- "9.2.2.2. For ~~windcreens~~ **vehicles** of other categories **M and N other than M₁:** ~~of vehicles,~~
~~in zone I as defined in paragraph 9.2.5.2. of this annex.~~
- (a) in zone I as defined in paragraph 9.2.5.2. of this annex for M₂, M₃, N₂ and N₃ vehicles;**
 - (b) either in zone I as defined in paragraph 9.2.5.2. of this annex or in test area A, extended to the median plane of the vehicle, and in the corresponding part of the windscreen symmetrical to it about the longitudinal median plane of the vehicle, and also in the reduced test area B according to paragraph 2.4. of Annex 18 for N₁ vehicles."**

Paragraph 9.2.5.1., amend to read:

- "9.2.5.1. Zones A and B of windcreens for vehicle category M₁ and N₁ ~~restricted as described under paragraph 9.1.2.2.~~ are defined in Annex 18 to this Regulation."

Paragraph 9.2.5.2., amend to read:

"9.2.5.2. Zones of windcreens for ~~other categories of~~ vehicles **of categories M and N other than M₁** are defined on the basis of:"

Paragraph 9.2.6., the table, the text in the second row of the first column, amend to read:

"M₁ and N₁ ~~restricted as described under paragraph 9.1.2.2.~~"

Paragraph 9.2.6., the table, the text in the third row of the first column, amend to read:

"~~Other M and N categories of vehicles~~ **other than M₁**"

Paragraph 9.3.5., the table, the text in the second row of the first column, amend to read:

"M₁ and N₁ ~~restricted as described under paragraph 9.1.2.2.~~"

Paragraph 9.3.5., the table, the third row of the first column, amend to read:

"~~Other M and N categories of vehicles~~ **other than M₁**"

Annex 18, the title, amend to read:

"PROCEDURE FOR DETERMINING TEST AREAS ON WINDSCREENS OF ~~M₁~~
~~CATEGORY~~ VEHICLES IN RELATION TO THE 'V' POINTS"

B. JUSTIFICATION

Supplement 6 to Regulation No. 43 was adopted in 2001. When preparing the amendments within the informal group chaired by Belgium, the core discussion was concerning the permitted impingements in the test area B of windcreens for M₁ category vehicles. Since then, the same types of vehicles, used for transportation of passengers or goods, are available in the market.

Type approval authorities face a problem in cases when the same type of a windscreen can be type approved for installation on M₁ category vehicles but cannot be type approved, due to the opaque obscuration impingements, for installation on the same vehicle type, which is designated as N₁ category vehicle.

This proposal intends to introduce the possibility for N₁ category vehicles to be fitted with windcreens complying either with M₁ category vehicle requirements or with current N₁ category vehicle requirements.
