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Item 4(c) of the provisional agenda

UN Regulation No. 48 (Installation of lighting and light-signalling devices)

Proposal for Supplement 2 to the 05 series of amendments

Submitted by the expert of Germany*

The text reproduced below was prepared by the expert from Germany to eliminate certain inconsistencies concerning reversing lamps in the existing text. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106, ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

I. Proposal

Paragraph 6.4.4.3., amend to read:

"6.4.4.3. In length: at the rear of the vehicle
However, if installed, the two optional devices mentioned in paragraph 6.4.2.2. may be fitted on the side of the vehicle, ~~in conformity with the requirements of paragraphs 6.4.5 and 6.4.6~~ **provided that the requirements of paragraphs 6.4.5.2. and 6.4.6.2. below are fulfilled.**"

Paragraph 6.4.5., amend to read:

"6.4.5. Geometric visibility

6.4.5.1. **Devices installed at the rear of the vehicle:**

Defined by angles α and β , as specified in paragraph 2.13.:

$\alpha = 15^\circ$ upwards and 5° downwards,

$\beta = 45^\circ$ to right and to left if there is only one device,

45° outwards and 30° inwards if there are two.

~~The reference axis of the two optional devices mentioned in paragraph 6.4.2.2., if fitted on the side of the vehicle shall be orientated sideward horizontally with an inclination of $10^\circ \pm 5^\circ$ in relation to the median longitudinal plane of the vehicle.~~

6.4.5.2. **Two optional devices mentioned in paragraph 6.4.2.2. if fitted on the side of the vehicle:**

The geometric visibility is considered to be ensured if the reference axis of the respective device is directed outwards with an angle β not exceeding 15° relative to the median longitudinal plane of the vehicle. Coincidental the two optional devices may be leant downwards."

Paragraph 6.4.6., amend to read:

"6.4.6. Orientation
Rearwards

~~In the case of the two optional devices mentioned in paragraph 6.4.2.2., if fitted on the side of the vehicle, the above mentioned requirements of paragraph 6.4.5. shall not be applied. However, the reference axis of these devices shall be orientated outwards not more than 15° horizontally towards the rear in relation to the median longitudinal plane of the vehicle.~~

6.4.6.1. **Rearwards**

6.4.6.2. **In addition, if the two optional devices mentioned in paragraph 6.4.2.2., are fitted on the side of the vehicle, the provisions of paragraph 6.4.5.2. above shall apply."**

II. Justification

The proposal is intended to eliminate certain inconsistencies in the existing text and to obtain a systematic integration of the provisions concerning reversing lamps fitted on the side of the vehicle; it does not change the technical substance of the requirements.