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INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

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Item 10(a) of the provisional agenda

NEW AGENDA ITEMS

Regulations Nos. 4 and 48

Proposal for Supplement 2 to the 04 series of amendments to Regulation No. 48

Submitted by the expert from the Working Party "Brussels 1952" (GTB) */

The text reproduced below was prepared by the expert from GTB, in order to include into Regulation No. 48 provisions concerning the installation of rear registration plate illuminating devices where the illumination may be produced by reflection or by transmission. The modifications to the existing text of the Regulation are marked in **bold** 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. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Paragraph 2.7., amend to read:

"2.7. **"Lamp"** means a device designed to illuminate the road or to emit a light signal to other road users. Rear registration plate **illuminating devices** and retro-reflectors are likewise to be regarded as lamps. For the purposes of this Regulation, the service-door-lighting system according to the provisions of Regulation No. 107 on single-deck, double-deck, rigid or articulated vehicle of categories M₂ and M₃ is not considered as a lamp."

Insert a new Paragraphs 2.7.1.1.8., to read:

"**2.7.1.1.8. "Electro-luminescence plate"** means a light source where the element for optical radiation is an active layer producing electro-luminescence."

Insert two new paragraphs 2.7.13.1. and 2.7.13.2., to read:

"**2.7.13.1. "Class 1 rear registration plate illuminating device"** means a device which provides the illumination by projecting light onto the surface of the space provided for the installation of the plate on the vehicle; it may consist of several optical elements;

2.7.13.2. "Class 2 rear registration plate illuminating device" means a device which provides the illumination by technologies other than those used for Class 1 devices, such as producing light which is transmitted through the plate."

Paragraph 5.10., amend to read:

"5.10. No red light which could give rise to confusion shall be emitted from a lamp as defined in paragraph 2.7. in a forward direction and no white light which could give rise to confusion, other than from the reversing lamp **and the rear registration plate illuminating device of Class 2**, shall be emitted from a lamp as defined in paragraph 2.7. in a rearward direction. No account shall be taken of lighting devices fitted for the interior lighting of the vehicle. In case of doubt, this requirement shall be verified as follows:"

Paragraph 5.15., insert the reference to footnote 4/ and footnote 4/ and amend to read:

"5.15 The colours of the light emitted by the lamps are the following :

.....

rear registration plate **illuminating device:** White 4/

.....

4/ In the case of Class 2 illuminating devices the colour of the light emitted shall be in accordance with the national requirements of the Contracting Party in whose territory the vehicle will be registered."

Note by the secretariat: The reference(s) to further footnote(s) will be renumbered accordingly.

Paragraphs 6.8.1. to 6.8.7., insert the reference to footnote 10/ and footnote 10/ and amend to read:

"6.8.1. Presence

Device of Class 1: mandatory 10/

6.8.2. Number

One (see paragraph 6.8.7.). The illuminating device may consist of several optical components.

6.8.3. Arrangement

Such that the space provided for the installation of the registration plate or the plate itself is illuminated.

6.8.4. Position

6.8.4.1. In width: Such that the **space provided for the installation of the registration plate or the plate itself is illuminated.**

6.8.4.2. In height: Such that the **space provided for the installation of the registration plate or the plate itself is illuminated.**

6.8.4.3. In length: Such that the **space provided for the installation of the registration plate or the plate itself is illuminated.**

6.8.5. Geometric visibility

Such that the space provided for the installation of the registration plate or the plate itself is illuminated.

6.8.6. Orientation

Such that the space provided for the installation of the registration plate or the plate itself is illuminated.

6.8.7. Electrical connections

In accordance with paragraph 5.11.

If a vehicle is fitted with rear registration plate illuminating devices of both Class 1 and Class 2, only one of those illuminating devices is permitted to be activated at any one time.

10/ The installation of a device of Class 2 may be allowed as an alternative to or as replacement of the device of Class 1 for the registration of the vehicle in those Countries allowing the use of devices of Class 2 on the basis of national regulations."

Note by the secretariat: The reference(s) to further footnote(s) will be renumbered accordingly.

Paragraph 6.8.9., amend to read:

"6.8.9. Other requirements

When the rear registration plate **illuminating device** is combined with the rear position lamp, reciprocally incorporated in the stop lamp or in the rear fog lamp, the photometric characteristics of the rear registration **illuminating device** may be modified during the illumination of the stop lamp or the rear fog lamp."

Annex 1, item 9.10., amend to read:

"9.10. Rear registration plate illuminating device lamp:

9.10.1 illuminating device of Class 1: yes/no 2/

9.10.2 illuminating device of Class 1: yes/no 2/"

B. JUSTIFICATION

The proposal is intended to introduce into Regulation No. 48 provisions which would enable Contracting Parties to approve vehicles having rear registration plate illuminating devices incorporating new technologies. Parallel amendments are proposed for Regulation No. 4 in document ECE/TRANS/WP.29/GRE/2008/5.

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