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INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Fifty-ninth session

Geneva, 31 March - 4 April 2008

Item 4(e) of the provisional agenda

REGULATION No. 48

(Installation of lighting and light-signalling devices)

Interpretation of paragraphs 5.7., 5.11. and 5.24. of the Regulation

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 insert into Regulation No. 48 provisions which cover the requirements regarding electrical connections, colour visibility and photometry for front or rear position lamps if such lamps are reciprocally incorporated with another lamp or function. It is intended to reflect the outcome of the discussion on ECE/TRANS/WP.29/GRE/2007/55 during the fifty-eighth session of the Working Party on Lighting and Light-Signalling (GRE) (ECE/TRANS/WP.29/GRE/58, para. 16) in the form of a consolidated proposal from GTB. The modifications to the current text of Regulation No. 48 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. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Insert a new paragraph 5.7.1.1., to read:

"5.7.1.1. The photometric and colorimetric requirements of a lamp shall be fulfilled when all other functions with which this lamp is grouped, combined or reciprocally incorporated are switched OFF.

However, when a front or rear position lamp is reciprocally incorporated with one or more other function(s), the requirements regarding colour of each of these other functions shall be fulfilled when the reciprocally incorporated function(s) and the front or rear position lamps are switched ON, except in the case where provisions of paragraph 5.11.2. are fulfilled."

Paragraph 5.7.1.1.(former), renumber as paragraph 5.7.1.2. and amend to read:

"5.7.1.2. ~~However~~, Where stop lamps"

Paragraph 5.11., amend to read:

"5.11. The electrical connections must be such that the front and rear position lamps, the end-outline marker lamps, if they exist, the side-marker lamps, if they exist, and the rear registration plate lamp can only be switched **ON** and **OFF** simultaneously.

5.11.1. This condition does not apply:

- (a) when ~~using~~ front and rear position lamps **are switched ON**, as well as side-marker lamps when combined or reciprocally incorporated with said lamps, as parking lamps ~~and~~; or
- (b) when side-marker lamps are permitted to flash.

5.11.2. However, when front or rear position lamps are reciprocally incorporated with another lamp/function, the respective front or rear position lamp may be switched OFF and substituted by another lamp/function within the common lamp body during the entire period of activation of the substituting lamp/function on the relevant side of the vehicle, provided that the substituting lamp/function meets the following requirements:

- (a) **geometric visibility of the respective position lamp; and**
- (b) **minimum photometric values according to the angles of light distribution of the respective position lamp."**

Paragraph 5.24., amend to read:

"5.24. Any temporary fail-safe replacement of the light-signalling function of a rear position lamp is allowed, provided that the **replacement** function in case of a failure is similar in colour, main intensity and position to the function that has ceased to operate and provided that the **replacement** device remains operational in its original safety function. During **replacement**, a tell-tale on the dashboard (see

paragraph 2.18. of this Regulation) shall indicate occurrence of a temporary replacement and need for repair."

B JUSTIFICATION

The proposal is based on document ECE/TRANS/WP.29/GRE/2007/55 and informal document No. GRE-58-23/Rev.1. It reflects the outcome of the discussion at the fifty-eighth GRE session and of the subsequent review by GTB. The reference to colour measurement was omitted because covered by a new footnote in the proposal for Supplement 1 to the 04 series of amendments to Regulation No. 48 (ECE/TRANS/WP.29/2008/19).
