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Working Party on Lighting and Light-Signalling (GRE)

Fifty-seventh session

2-6 October 2006

Item 7. of the provisional agenda

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 6

(Direction indicators)

Submitted by the experts from the Working Party "Brussels 1952" (GTB) and
the International Organization of Motor Vehicle Manufacturers (OICA)

Note: The text reproduced below was prepared by the experts from GTB and OICA in order to insert into the Regulation additional provisions, which would cover the cases of direction indicator lamps incorporating more than one light source. The proposal consolidates and supersedes ECE/TRANS/WP.29/GRE/2006/26 and takes into account the comments addressed at fifty-sixth GRE session (ECE/TRANS/WP.29/GRE/56, paras. 18 and 37) to the superseded proposal. The modifications to the existing text of the Regulation (up to Supplement 14 to the 01 series of amendments) are marked in **bold** characters.

The issue of transitional provisions has not yet been discussed in GTB and OICA and will be addressed, if necessary, separately at a later date.

Note: This document is distributed to the Experts on Lighting and Light-Signalling only.

A. PROPOSAL

Insert a new paragraph 2.2.4., to read:

"2.2.4. for a direction indicator lamp of categories 1, 1a, 1b, 2a and 2b, information regarding the signal according to paragraph 6.4.3. below."

Paragraph 2.2.4. (former), renumber as paragraph 2.2.5.

Paragraph 6.1., the table, delete the references to footnotes 3/ and 4/ and footnotes 3/ and 4/.

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

Insert new paragraphs 6.2. to 6.5., to read:

"6.2. For an assembly of two or more direction indicator lamps the total intensity shall not exceed the maximum value prescribed for a single lamp, multiplied by 1.4; this shall not apply to lamps of category 2a.

6.3. When an assembly of two or more direction indicator lamps is deemed to be a single lamp it shall comply with the requirements for:

- (a) maximum intensity;**
- (b) minimum intensity if one lamp has failed.**

6.4. If a single lamp contains more than one light source the following provisions shall apply:

6.4.1. All light sources which are connected in series are considered to be one light source.

6.4.2. The direction indicator lamp shall comply with the minimum intensity required when any one light source has failed.

6.4.3. For direction indicator lamps of categories 1, 1a, 1b, 2a and 2b a signal for activation of the tell-tale prescribed in paragraph 6.2.8. of Regulation No. 48 shall be produced if:

- (a) any one light source has failed, or**
- (b) as a consequence of a failure of one or more light sources, the intensity in one of the following directions as indicated in Annex 4 to this Regulation is less than 50 per cent of the minimum intensity required:**
 - (i) H=0, V=0**
 - (ii) H=20° to the outside of the vehicle, V=5°**
 - (iii) H=10° to the inside of the vehicle, V= 0°.**

- 6.5. When all light sources are illuminated the maximum intensity specified for a single lamp may be exceeded provided that the single lamp is not marked "D" and the maximum intensity specified for an assembly of two or more lamps is not exceeded."**

Paragraphs 6.2. to 6.5. (former), renumber as paragraphs 6.6. to 6.9.

Annex 2,

Item 9., amend to read (including the insertion of a reference to a new footnote 4/ and a new footnote 4/):

"9. Concise description: 3/ 4/
Category: 1, 1a, 1b,

4/ For direction indicator lamps of categories 1, 1a, 1b, 2a and 2b, information regarding the signal according to paragraph 6.4.2."

B. JUSTIFICATION

This proposal is a consequence of the discussions at several sessions of GRE concerning amendments to Regulations Nos. 6 and 48 to cover the issue of tell-tale activation for front/rear direction indicators having multiple light sources, in particular LEDs. It is intended to address the concerns expressed by several Contracting Parties at the fifty-sixth GRE session regarding a sufficient coverage of geometrical visibility range in a case of light source failure.

At the same time, the text of paragraphs 6.1. to 6.9. has been re-arranged in order to take into account suggestions at previous GRE sessions for an improved editorial presentation.

Depending on the decision by GRE, transitional provisions will be added to the proposal, using the guidelines adopted by the Administrative Committee (AC.1) (TRANS/WP.29/1044).
