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Working Party on Lighting and Light-Signalling (GRE)
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agenda item 2.5.)

PROPOSAL FOR DRAFT AMENDMENTS (SUPPLEMENT 2) TO REGULATION No. 98

(Headlamps equipped with gas discharge light-sources)

Transmitted by the Expert from the Working Party "Brussels 1952" (GTB)

Note: The text reproduced below was prepared by the expert from GTB in order to introduce into the Regulation provisions concerning bend lighting.

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

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A. PROPOSAL

Add a new paragraph 1.8., to read:

"1.8. The definitions given in Regulation No. 48 and its series of amendments in force at the time of application for type approval shall apply to this Regulation."

Paragraph 2.2.2., amend to read:

"2.2.2. A brief technical specification including, where it applies, the make and type of the ballast(s) and, in the case where the headlamp is used to produce bend lighting, the extreme positions according to paragraph 6.2.7. below."

Paragraph 5.5., amend to read:

"5.5. On headlamps designed to provide alternately a driving beam and a passing beam or a passing beam and/or a driving beam designed to become a bend lighting, any mechanical, electro-mechanical or other device incorporated in the headlamp for these purposes must be so constructed that:"

Paragraph 5.5.2., amend to read:

"5.5.2. in the case of failure the illumination above the line H-H shall not exceed the values of a passing beam according to paragraph 6.2.6.; in addition a minimum illumination of at least 5 lux shall be fulfilled in testpoint 25 V (VV-line, D 75 cm)."

Paragraph 6.2.3., amend the reference to "paragraphs 6.2.5. to 6.3.2.3." to read "paragraphs 6.2.5. to 6.2.7."

Paragraph 6.2.5., amend to read:

"6.2.5. Only one gas-discharge light source is permitted for each passing beam headlamp. One additional light source inside the passing beam headlamp according to Regulation No. 37 may be used to transform the passing beam pattern into a bend lighting pattern. Bend lighting may be produced by activating one additional light source according to Regulation No. 37 being part of the passing beam headlamp."

Add new paragraphs 6.2.7. to 6.2.7.2., to read:

"6.2.7. In case of bend lighting where it is obtained by:

6.2.7.1. swivelling the passing beam headlamp, the illumination shall be measured additionally in the extreme swivel positions. After swivelling to the extreme position the headlamp has to be reaimed horizontally (for example by means of the goniometer). In this position the requirements of Table 1 shall be fulfilled, except

the illumination in point HV, on and above line H/H2, or on and above line H/H3/H4 which are replaced by line U 25cm/VV to L 329cm (R 329cm for left-hand traffic), where a maximum illumination of 1.3 lux shall not be exceeded.

- 6.2.7.2. moving one or more optical part(s) of the headlamp, or where it is obtained by means of one additional light source, the requirements of Table 1 shall be fulfilled except the illumination in point HV, on and above line H/H2, or on and above line H/H3/H4 which are replaced by line U 25cm/VV to L 329cm (R 329cm for left-hand traffic) where a maximum illumination of 1.3 lux shall not be exceeded when the optical parts are in their extreme positions, or when the additional light source is switched on."

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B. JUSTIFICATION

The proposal is based on the results of discussions at the forty-fourth (TRANS/WP.29/GRE/44, paras. 67-70) and forty-fifth (TRANS/WP.29/GRE/45, paras. 20-26) sessions of GRE.

It incorporates the proposals advanced during these discussions in the form of amendments to the applicable ECE Regulations.

This applies in particular to provisions covering the case of failure and the limit conditions for bend lighting.
