

[TRANS/WP.29/GRE/2001/15
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ECONOMIC COMMISSION FOR EUROPE
I
NLAND TRANSPORT COMMITTEE

World Forum for Harmonisation of Vehicle Regulations (WP.29)

Working Party on Lighting and Light-Signalling (GRE)

(Forty-sixth session, 27-30 March 2001, agenda item 1.3.)]

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

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

Note: The text reproduced below was prepared by the expert from GTB. It further develops the original proposal (TRANS/WP.29/GRE/2001/15) in order to introduce into the Regulation provisions concerning bend lighting.

A. PROPOSAL

Add a new paragraph 2.26., to read: 1/

- "2.26. Bend lighting" means a dipped-beam and/or a main beam where the beam pattern is variable according to the turn radius of the vehicle by means of:
- (i) a movement (swivelling) of the respective lamp(s) around a substantially vertical axis, or
 - (ii) a movement of parts of the respective lamp(s), or
 - (iii) a variation of the beam pattern itself, e.g. by switching on one additional light source in a lamp grouped or reciprocally incorporated with the respective lamp(s), or
 - (iv) any combination of these means.

Paragraph 6.1.6., amend to read (deletion of the second subparagraph):

"6.1.6. Orientation

Towards the front."

Add a new paragraph 6.1.9.3., to read:

- "6.1.9.3. Either one, two, three or four main beam headlamp(s) may be used to produce bend lighting.

Paragraph 6.2.7., amend to read:

"..... time as the main beams.

In the case where bend lighting is achieved by using one additional light source, the additional light source must not be energised when the horizontal radius of curvature of the trajectory of the centre of gravity of the vehicle is bigger than 500 m. This may be demonstrated by the manufacturer by calculation or other means accepted by the authority responsible for the type approval.

In the case of a dipped-beam headlamp according to Regulation No. 98,"

Paragraph 6.2.8., amend to read:

"6.2.8. Tell-tale

Tell-tale optional.

In the case of a swivelling dipped-beam a tell-tale is mandatory; This tell-tale must be an operating tell-tale consisting of a non-flashing warning light which comes on in the event of a malfunction of the swivelling dipped-beam."

Paragraph 6.2.9., amend to read:

"6.2.9. Other requirements

The requirements of paragraph 5.5.2. shall not apply to dipped-beam headlamps.

Either one or two dipped-beam headlamp(s) may be used to produce bend lighting. In this case only dipped-beam headlamps according to Regulation No. 98 or headlamps according to Regulation No. [112] are permitted to produce bend lighting. In case of swivelling dipped-beam headlamp(s), the beam axis shall not cross the line of the trajectory of the centre of gravity of the vehicle at distances bigger than 100 times the mounting height of the respective dipped-beam headlamp(s). This may be demonstrated by the manufacturer by calculation or other means accepted by the authority responsible for the type approval.

Dipped-beam headlamps with gas-discharge light sources shall only be permitted"

The [next] bottle of good wine please . . .

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B. JUSTIFICATION

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