

Distr.
GENERAL

TRANS/WP.29/GRE/2001/15
15 January 2001

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization 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, in order to introduce into the Regulation provisions concerning bend lighting. It is an alternative to the original proposal by Germany and France made during the forty-fifth session of GRE, and published under document symbol TRANS/WP.29/GRE/2001/3.

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

GE.01-20166

A. PROPOSAL

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

- "2.26. Bend lighting" means either
- 2.26.1. a dipped-beam, a main beam and/or a fog beam where the beam pattern is variable according to the turn radius of the vehicle by means of:
- (i) a movement (swivelling) of the lamp(s) around a substantially vertical axis, or
 - (ii) a movement of parts of the lamp(s), or
 - (iii) a variation of the beam pattern itself, e.g. by switching on one additional light source inside lamp, or
 - (iv) any combination of these means, or
- 2.26.2. a front fog beam switched on, according to the turn radius, on the relevant side of the vehicle."

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 or two 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 energized when the horizontal radius of curvature of the trajectory of the center of gravity of the vehicle is bigger than 500 m.

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 class B headlamps according to Regulation
No. "00" 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 center of gravity of the vehicle
at distances bigger than 100 times mounting height of the
respective dipped-beam headlamp(s).

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

Paragraph 6.3.6., amend to read (deletion of the second and third
subparagraphs):

"6.3.6. Orientation

Towards the front."

Paragraph 6.3.9., amend to read:

"6.3.9. Other requirements

Either one or two front fog lamp(s) may be used to produce bend
lighting."

* * *

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.
