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Working Party on Lighting and Light-Signalling (GRE)  
(Forty-seventh session, 1-5 October 2001,  
agenda item 1.2.)

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 allow the type approval of "Cornering Lamps". The proposal is related to Advance Front-lighting Systems (AFS) and it is intended to introduce provisions corresponding to the proposed new draft Regulation on cornering lamps (document TRANS/WP.29/GRE/2001/35) into Regulation No. 48 (TRANS/WP.29/GRE/46, para. 72).

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Note: This document is distributed to the Experts on lighting and light-signalling only.

Insert new paragraph 2.7.26., to read:

"2.7.26. "Cornering lamp" means a lamp used to provide supplementary illumination of that part of the road which is located near the forward corner of the vehicle at the side towards which the vehicle is going to turn."

Paragraph 2.9.1., amend to read:

"2.9.1. "Illuminating surface of a lighting device" (paragraphs 2.7.9., 2.7.10., 2.7.18., 2.7.20. and 2.7.26.) means the orthogonal projection of the full aperture of the reflector, or in the case of headlamps with an ellipsoidal reflector of the "projection lens", on a transverse plane. If the lighting device has no reflector, the definition of paragraph 2.9.2. shall be applied. If the light emitting surface of the lamp extends over part only of the full aperture of the reflector, then the projection of that part only is taken into account."

Paragraph 2.16.1., amend to read:

".....  
This possible combination does not apply to main-beam headlamps, dipped-beam headlamps, front fog lamps and cornering lamps."

Paragraph 5.15., add at the end the new text reading:

".....  
Cornering lamp: white or yellow"

Insert new paragraphs 6.20. to 6.20.9.2., to read:

"6.20. CORNERING LAMP

6.20.1. Presence

Optional on motor vehicles.

6.20.2. Number

Two.

6.20.3. Arrangement

No special requirement.

6.20.4. Position

6.20.4.1. In width: that point on the apparent surface in the direction of the reference axis which is farthest from the vehicle's median longitudinal plane shall not be more than 400 mm from the extreme outer edge of the vehicle.

6.20.4.2. In length: the foremost cornering lamp being not further than 1,000 mm from the front.

6.20.4.3. In height:

minimum: Not less than 250 mm above the ground.  
maximum: Not more than [900] mm above the ground;

However, no point on the apparent surface in the direction of the reference axis shall be higher than the highest point on the apparent surface in the direction of the reference axis of the dipped-beam headlamp.

6.20.5. Geometric visibility

Defined by angles  $\alpha$  and  $\beta$  as specified in paragraph 2.13.,  
 $\alpha = 10^\circ$  upwards and downwards,

$\beta = 30^\circ$  to  $60^\circ$  outwards.

6.20.6. Orientation

Such that the lamps meet the requirements for geometric visibility.

6.20.7. Electrical connections

The cornering lamps must be so connected that they cannot be switched on unless the main-beam headlamps or the dipped-beam headlamps are switched on at the same time.

The cornering lamp on one side of the vehicle may be activated when the direction indicators on the same side of the vehicle are switched on and/or when the steering angle is changed from the straight-ahead position towards the same side of the vehicle.

6.20.8. Tell-tale

None.

6.20.9. Other requirements

6.20.9.1. The distance between the cornering lamp and the front direction indicator lamp on the same side of the vehicle shall be at least 20 mm.

6.20.9.2. The cornering lamps shall not be activated at vehicle speeds above [40] km."

Annex 1,

Insert new item 9.22., to read:

"9.22. Cornering lamps: yes/no 2/ .....

Items 9.22. (former) and 9.23., renumber as items 9.23. and 9.24., to read:

"9.23. Equivalent lamps: yes/no 2/ .....

9.24. Maximum permissible load in the boot: .....