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INLAND TRANSPORT COMMITTEE

Working Party on the Construction of Vehicles

Working Party on Lighting and Light-Signalling (GRE)
(Forty-fourth session, 3-6 April 2000,
agenda item 1.4.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

Transmitted by the expert from France

Note : The text reproduced below was prepared by the expert from France with a view to allowing the emission of red light in a forward direction and of white light in a rearward direction, when the luminous intensity does not exceed 0.5 cd.

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

A. PROPOSAL

Paragraph 5.10., amend to read:

- "5.10 No red light ~~which could give rise to confusion of luminous intensity > 0.5 cd~~ shall be emitted from a lamp as defined in paragraph 2.7. in a forward direction and no white light ~~which could give rise to confusion of luminous intensity > 0.5 cd~~ other than from the reversing lamp, shall be emitted from a lamp as defined in paragraph 2.7. in a rearward direction. No account shall be taken of lighting devices fitted **on the side** and for the interior lighting of the vehicle. In case of doubt, this requirement shall be verified as follows:
- 5.10.1. For the visibility of red light towards the front, there must be no ~~direct visibility of the light-emitting surface luminous intensity exceeding 0.5 cd~~ of a red lamp if viewed by an observer moving within Zone 1 in a transverse plane situated 25 m in front of the vehicle (see Annex 4);
- 5.10.2. For the visibility of white light towards the rear, there must be no ~~direct visibility of a light-emitting surface luminous intensity exceeding 0.5 cd~~ of a white lamp if viewed by an observer moving within Zone 2 in a transverse plane situated 25 m behind the vehicle (see Annex 4);
- 5.10.3 (No change)"

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B. JUSTIFICATION

- (a) Regulation No. 48 allows (paragraph 5.15.) the rearmost side-marker lamp to be red if it is grouped with other functions. Consequently, red light is emitted towards the front of the vehicle, which is in contradiction with the provision of paragraph 5.10, where this opportunity is not allowed. For this reason it is proposed that paragraph 5.10. is amended to make it compatible with paragraph 5.15.

- (b) Since the emission of red light of a side-marker lamp towards the front is permitted, it would be suitable to permit also the emission of red light from rear lamps towards the front of the vehicle as long as the luminous intensity is limited.
 - (c) In order to ensure uniformity of the above provisions it is also proposed to apply them to white light emitted towards the rear of the vehicle.
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