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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

**World Forum for Harmonization of Vehicle Regulations**

One-hundred-and-forty-seventh session  
Geneva, 10 - 13 March 2009  
Item 4.2.37 of the provisional agenda

**1958 AGREEMENT**

Consideration of draft amendments to existing Regulations

Proposal for Supplement 11 to Regulation No. 112  
(Headlamps emitting an asymmetrical passing beam)

Submitted by the Working Party on Lighting and Light-Signalling (GRE) \*/

The text reproduced below was adopted by GRE at its sixtieth session. It is based on ECE/TRANS/WP.29/GRE/2008/37, not amended. It is submitted to WP.29 and AC.1 for consideration (ECE/TRANS/WP.29/GRE/60, para. 41).

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\*/ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

Paragraph 5.7.3., amend to read:

"5.7.3. either the principal passing beam or the driving beam shall always be obtained without any possibility of the mechanism stopping in between two positions;"

Paragraph 6.2.1., amend to read:

"6.2.1. The luminous intensity distribution of the principal passing beam headlamp shall incorporate a "cut-off" (see figure 1), which enables the headlamp to be adjusted correctly for the photometric measurements and for the aiming on the vehicle.

....."

Paragraph 6.4.3., amend to read:

"6.4.3. additional tests are made after the reflector has been moved vertically  $\pm 2^\circ$  or at least into the maximum position, if less than  $2^\circ$ , from its initial position by means of the headlamps adjusting device. Having re-aimed the headlamp as a whole (by means of the goniometer for example) in the corresponding opposite direction the light output in the following directions shall be controlled and lie within the required limits:

principal passing beam: points HV and 75 R (75 L respectively);

driving beam:  $E_M$  and point HV (percentage of  $E_M$ )."

Annex 4.

Paragraph 1.1.1.1., amend to read:

"1.1.1.1. ....

- (d) In the case of headlamp with a passing beam, one or more driving beams and a front fog lamp:
  - (i) the headlamp shall .....
  - (ii) if the applicant declares ....successively the principal passing beam half of the time and the driving beam(s) .....
  - (iii) if the applicant declares ....successively the principal passing beam half of the time and the front fog lamp for half of the time specified in paragraph 1.1. above, while the driving beam(s) is(are) subjected to a cycle of 15 minutes off and 5 minutes lit for half of the time and during the operation of the principal passing beam;

(iv) if the applicant declares.... successively the principal passing beam one third of the time, the driving beam(s) one third of the time and the front fog lamp for one third of the time specified in paragraph 1.1. above.

(e) In the case....."

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