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

Working Party on Lighting and Light-Signalling (GRE)

(Forty-eighth session, 9-12 April 2002,
agenda item 2.6.)

PROPOSAL FOR DRAFT SUPPLEMENT 5 TO REGULATION No. 87

(Daytime running lamps)

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

Note: At its forty-fourth session GRE agreed two series of collective amendments to several Regulations. In the case of Regulation No. 87 only one set of amendments was included in the draft text to be submitted to WP.29; the expert from GTB agreed to propose additional amendments at a later date, if necessary (TRANS/WP.29/GRE/44, para. 18 - 24). Following this provision, the text reproduced below was prepared by the expert from GTB after a further consideration, in order to align Regulation No. 87 with the other Regulations with regard to photometric measurement.

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

GE.02-20373

Annex 3,

Add a new paragraph 4. to read:

"4. Photometric measurement of lamps

The photometric performance shall be checked:

4.1. For non-replaceable light sources (filament lamps or other):

with the light sources present in the lamp, in accordance with paragraph 10. of this Regulation.

4.2. For replaceable filament lamps:

when equipped with filament lamps at 6.75 V, 13.5 V or 28.0 V the luminous intensity values produced shall be corrected. The correction factor is the ratio between the reference luminous flux and the mean value of the luminous flux found at the voltage applied (6.75 V, 13.5 V or 28.0 V). The actual luminous fluxes of each filament lamp used shall not deviate more than ± 5 per cent from the mean value. Alternatively a standard filament lamp may be used in turn, in each of the individual positions, operated at its reference flux, the individual measurements in each position being added together.

4.3. For any daytime running lamp except those equipped with filament lamp(s), the luminous intensities, measured after one minute and after 30 minutes of operation, shall comply with the minimum and maximum requirements. The luminous intensity distribution after one minute of operation can be calculated from the luminous intensity distribution after 30 minutes of operation by applying at each test point the ratio of luminous intensities measured at HV after one minute and after 30 minutes of operation."
