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World Forum for Harmonization of Vehicle Regulations

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Item 4.2.17 of the provisional agenda

1958 AGREEMENT

Consideration of draft amendments to existing Regulations

Proposal for Supplement 6 to the 01 series of amendments to Regulation No. 45
(Headlamp cleaners)

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/2008/42, not amended. It is submitted to WP.29 and AC.1 for consideration (ECE/TRANS/WP.29/GRE/60, para. 34).

*/ 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 2.7., amend to read:

"2.7. "Cleaning period" means the period of time comprising one or more cleaning operations to fulfil the requirements specified in paragraph 7 below to be met."

Insert new paragraphs 2.8 and 2.9, to read:

"2.8. "Cleaning operation" means any suitable process for cleaning;

2.9. The definitions given in Regulation No. 48 and its series of amendments in force at the time of application for type approval shall apply to this Regulation."

Paragraph 6.1., amend to read:

"6.1. The headlamp cleaner shall be designed and constructed to clean those parts of the light-emitting surface of the headlamps which produce the principal passing beam and, as an option, the driving beam, so that at least the cleaning effect specified in paragraph 7 below is achieved."

Paragraph 6.2.2.1., amend to read:

"6.2.2.1. 20 per cent of the illuminating surface of a headlamp producing a passing beam,"

Paragraph 6.2.2.2., amend to read:

"6.2.2.2. 10 per cent of the illuminating surface of a headlamp producing a driving beam not reciprocally incorporated with a headlamp producing a passing beam;"

Paragraph 6.5.1., amend to read:

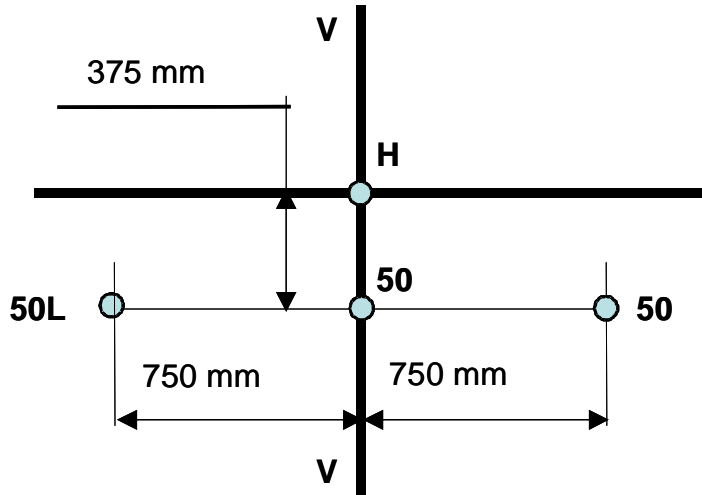
"6.5.1. Cleaning of all headlamps producing the principal passing beam shall be compulsory. If there are more than two headlamps producing the driving beam, the cleaning of one pair of these headlamps shall be sufficient;"

Paragraph 7.1., amend to read:

"7.1. The efficiency of the cleaner shall be tested in accordance with the requirements of Annex 4 to this Regulation. The cleaning efficiency at the points on the measuring screen which are specified below shall, after every cleaning period, amount to at least 70 per cent for the headlamp producing the principal passing beam and also 70 per cent for the optional headlamp producing the driving beam; in case of an AFS this provision applies to the photometric system value as defined in Annex 9 to Regulation No. 123 from those lighting units indicated in paragraph 6.1.1. above."

Paragraph 7.1., replace the existing diagram with the following:

"Diagram of Measuring Points on a Screen"



"

Paragraph 7.3., amend to read:

"7.3. Measuring points for the headlamp producing the passing beam"

Paragraph 7.3.2., amend to read:

"7.3.2. Headlamps approved in respect of the passing beam and the driving beam (marking CR, HCR, C+R, C+HR, HC+R or HC+HR or X C/V/E/W/R/T)

Measuring points; 50R (L) (and 50V if in the same headlamps, different optical systems for the driving beam and passing beam are provided)."

Paragraph 7.4., amend to read:

"7.4. Measuring point for the headlamp producing the driving beam

Measuring point : HV."

Annex 4,

Paragraph. 2.1.2., amend to read:

"2.1.2. For headlamp with the outside lens in plastic material:

The mixture
.....

5 parts by weight of sodium chloride (pure at 99 per cent)

13 parts by weight of distilled water with a conductivity of ≤ 1 mS/m, and 2 ± 1 drops of surfactant."
