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

Working Party on Lighting and Light-Signalling (GRE)

~~(Fiftieth session, 07 April—11 April 2003,
agenda item 3.2.)~~

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 45

(Uniform provisions concerning the approval of
HEADLAMP CLEANERS AND OF
POWER-DRIVEN VEHICLES WITH REGARD TO HEADLAMP CLEANERS)

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 align the definitions and test procedures of Regulation No. 45 with the particular characteristics of an adaptive front-lighting system (AFS).

A. PROPOSAL

Paragraph 2.1. by inserting new subparagraph 2.1.1., amend to read

"2.1.1. In case the lighting functions are provided by an adaptive front-lighting system (AFS) "Headlamp cleaner" means a complete device with which all or part of the light emitting surface of at least those parts of the AFS can be cleaned, which need, according to the provisions of paragraph 6.20.9.1. of Regulation No. 48, to be installed with a cleaning device;"

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 passing lamp and also 70 per cent for the optional driving lamp; *in case of an AFS this provision applies to half the sum of the (individually measured) photometric values of all relevant lighting units.*"

Paragraphs 7.3.1. and 7.3.2., amend to read:

**"7.3.1. Headlamps approved in respect of the passing beam only (marking C or HC or XC/V/E/W/T in the Approval Mark);
Measuring points: 50 R(L) and 50 V. 5/**

**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 XC/V/E/W/R/T)
Measuring points; 50R(L) (and 50V if in the same headlamps, different optic systems for the driving lamp and the passing lamp are provided)."**

B. JUSTIFICATION

In relation to the introduction of the AFS, Regulation No. 45 should be amended for clarification. AFS system relevant photometric procedures may apply, depending on the design of the devices.
