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Working Party on Lighting and Light-Signalling (GRE)
(Fifty-first session, 15-19 September 2003,
agenda item 1.1.2.5.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

Transmitted by the expert from Germany

Note: The text reproduced below was prepared by the expert from Germany in order to improve road safety by the deletion of the manual headlamp-levelling devices. The amendment is based on the text of a document without a symbol (informal document No. 16), distributed during the fiftieth GRE session (see report TRANS/WP.29/GRE/50, para. 20) and the revision by the GRE Chairman.

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

A. PROPOSAL

Table of contents, annexes, amend to read:

"...

Annex 7 - Indication of the stated initial adjustment referred to in paragraph 6.2.6.1. of this Regulation.

Annex 8 - Control of conformity of production"

Paragraph 6.2.6.2.2., should be deleted.

Paragraph 6.2.6.2.3. (former), renumber as paragraph 6.2.6.2.2. and amend to read:

"6.2.6.2.2. In the event of a failure of devices described in paragraph 6.2.6.2.1., the dipped-beam shall not assume a position in which the dip is less than it was at the time when the failure of the device occurred."

Paragraph 6.2.9., amend to read (footnote 4/ not modified):

"6.2.9. Other requirements

...

Dipped-beam headlamps with a light source having an objective luminous flux that exceeds 2,000 lumen shall only be installed in conjunction with the installation of headlamp cleaning device(s) conforming to Regulation No. 45. 4/

Only dipped beam headlamps according the Regulation Nos. 98 and 112 may ...

..."

Paragraph 8.2.2., amend the reference to "annex 9" to read "annex 8"

Annex 8, should be deleted.

Annex 9, renumber as annex 8.

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B. JUSTIFICATION

In the case where a headlamp-levelling device is necessary, automatic headlamp levelling devices are basically introduced into the Regulation No. 48.

At the time the levelling device was going to become mandatory, the manual levelling device was incorporated for vehicle manufacturers relief, as a simple cheap solution for the beginning and for a transitional period.

The experience of the last years have shown that many vehicle drivers do not know how to handle such devices or use this intentionally or unintentionally in a wrong way. Especially the wrong use causes glare instead of the original intention to avoid glare.

The technical progress of recent years makes the manual operation superfluous and offers safer sensor controlled solutions. Therefore, the experts from Germany propose, as a step to improve road safety, the deletion of the manual operation of a levelling device.
