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Working Party on Lighting and Light-Signalling (GRE)
(Fifty-sixth session, 4-7 April 2006,
agenda item 15.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

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 propose provisions for reduced illumination of headlamps under certain conditions, e.g. standstill. The modifications to the existing text of the Regulation (up to draft 03 series of amendments) are marked in **bold** characters.

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

A. PROPOSAL

Insert a new paragraph 6.1.7.4., to read:

"6.1.7.4. Where the main-beam headlamps have a system to reduce the illumination according to paragraph 6.1.9.3. below, it must be possible to switch the system "on" and "off" manually."

Insert a new paragraph 6.1.9.3., to read:

"6.1.9.3. The illumination produced by the main-beam headlamps may be reduced under the following conditions:

- the reduction of illumination is provided by an electronic light source control gear;
- the photometric and colorimetric requirements for the main-beam headlamps are fulfilled;
- the reduction of illumination is not possible, if the vehicle is in forward motion."

Paragraph 6.2.7., add at the end the following sentence to read:

"

Where the dipped-beam headlamps have a system to reduce the illumination according to paragraph 6.2.9.3. below, it must be possible to switch the system "on" and "off" manually."

Paragraph 6.2.9., add at the end the following text to read:

"

The illumination produced by the dipped-beam headlamps may be reduced under the following conditions:

- the reduction of illumination is provided by an electronic light source control gear;
- the photometric and colorimetric requirements for the dipped-beam headlamps are fulfilled;
- the reduction of illumination is not possible if the vehicle is in forward motion."

Annex 1, insert a new item 10.4., to read:

"10.4. System for reduction of illumination: yes/no 2"

B. JUSTIFICATION

The proposal is intended to cover systems which automatically reduce the illumination provided by main-beam and/or dipped-beam headlamps when the vehicle is at standstill, with the objective of saving energy.

Particular provisions have been inserted to ensure correct system function and performance.
