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Working Party on Lighting and Light-Signalling (GRE)
(Fifty-third session, 4-8 October 2004,
agenda item 2.13.)

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 to allow the installation of additional lamps to "replace" the function of position lamps and/or direction indicator lamps and/or retro reflectors in the cases where these functions are fitted on or are hidden by a movable component. The modification to the existing text of the Regulation is marked in **bold** characters.

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

A. PROPOSAL

Paragraphs 5.17. to 5.21., amend to read:

"5.17. **Any lamp may be installed on movable components provided that the conditions specified in paragraphs 5.18., 5.19. and 5.20. are fulfilled.**

5.18. Rear position lamps, rear direction-indicators and rear retro-reflectors, triangular as well as non triangular, **may** be installed on movable components **only**:

5.18.1. - at all fixed positions of the movable components the lamps on the movable components meet all the position, geometric visibility and photometric requirements for those lamps. Should the above functions be obtained by an assembly of two lamps marked "D" (see paragraph 2.16.1.) only one of these lamps needs to meet the above-mentioned requirements.

or

5.18.2. - **where additional lamps for the above functions are fitted and are activated, when the movable component is in any fixed open position, provided that they satisfy all the position, geometric visibility and photometric requirements applicable to the lamps installed on the movable component.**

5.19. When the movable components are in a position other than a "Normal position **of use**", **the** devices installed on them shall not cause undue discomfort to road users.

5.20. When a lamp is installed on a movable component and the movable component is in the "normal position(s) **of use**", **the** lamp must always return to the position(s) specified by the manufacturer in accordance with this Regulation. In the case of dipped-beam headlamps and front fog lamps, this requirement shall be considered satisfied if, when the movable components are moved and returned to the normal position 10 times, no value of the angular inclination of these lamps, relative to its support, measured after each operation of the movable component, differs by more than 0.15 per cent from the average of the 10 measured values. If this value is exceeded each limit specified in paragraph 6.2.6.1.1. shall then be modified by this excess to decrease the allowed range of inclinations when checking the vehicle according to Annex 6.

5.21. **The apparent surface in the direction of the reference axis of front and rear position lamps, front and rear direction-indicator lamps and retro-reflectors shall not be hidden more than 50 per cent by any movable component, with or without a light-signalling device installed on it, in any fixed position different from the "normal position of use".**

If the above requirement is not practicable:

5.21.1. additional lamps satisfying all the position, geometric visibility and photometric requirements for the above indicated lamps shall be activated when the apparent surface in the direction of the reference axis of these lamps is more than 50 per cent hidden by the movable component

or

5.21.2. - a remark in the communication form (item 10.1. of Annex 1) shall inform other Administrations that more than 50 per cent of the apparent surface in the direction of the reference axis can be hidden by the movable components;

and

- a notice in the vehicle shall inform the user that in certain position(s) of the movable components other road users shall be warned of the presence of the vehicle on the road; for example by means of a warning triangle or other devices according to national requirements for use on the road."

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B. JUSTIFICATION

The proposal is aimed at allowing the installation of additional lamps to "replace" the function of position lamps and/or direction indicator lamps and/or retro reflectors in the cases where these functions are fitted on or are hidden by a movable component and, due to the displacement of the movable component, they became no more visible (partially or totally obscured).

The additional lamps shall fulfil all the requirements applicable to the lamps they replace and shall be activated after the movable component has been moved in any open fixed position so that the "original" lamps are no more visible.

The proposal includes a revision of the paragraphs' sequence (from paragraph 5.17. to paragraph 5.21. included) for better clarity and coherence.
