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PROPOSAL FOR DRAFT SUPPLEMENT 7 TO THE 02 SERIES
OF AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

Revision 1

Transmitted by the Working Party on Lighting and Light-Signalling (GRE)

Note: The text reproduced below was adopted by GRE at its forty-ninth session and amended / corrected at its fiftieth session. It is transmitted for consideration to WP.29 and AC.1. The original proposal was based on documents TRANS/WP.29/2001/8, TRANS/WP.29/GRE/2002/25, both as amended, and on annex 2 to the session report (TRANS/WP.29/GRE/49, paras. 12, 14, 15, 19, 20 and annex 2), the modifications were agreed at the fiftieth session (TRANS/WP.29/GRE/50, para. []).

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Paragraph 2.7.16.3., amend to read:

"2.7.16.3. other retro-reflective markings which must be used to comply with national requirements for use as regards certain categories of vehicles or certain methods of operation."

Insert a new paragraph 2.7.17., to read:

"2.7.17. "Retro-reflective marking" means an additional marking of characteristic shape and/or pattern intended to increase the visibility and easy identification of certain categories of vehicles and their trailers by the reflection of light emanating from a light source not connected to the vehicle, the observer being situated near the source."

Paragraphs 2.7.17. (former) to 2.7.25., renumber as paragraphs 2.7.18. to 2.7.26.

Insert a new paragraph 2.7.27., to read:

"2.7.27. "objective luminous flux" means a design value of the luminous flux of a replaceable light source. It shall be achieved, within the specified tolerances, when the replaceable light source is energized by the power supply at the specified test voltage, as indicated in the data sheet of the light source."

Paragraph 2.9.1., amend the reference to "(paragraphs 2.7.9., 2.7.10., 2.7.18. and 2.7.20.)", to read "(paragraphs 2.7.9., 2.7.10., 2.7.19. and 2.7.21.)".

Paragraph 2.9.2., amend the reference to "(paragraphs 2.7.11. to 2.7.15., 2.7.17., 2.7.19. and 2.7.21. to 2.7.24.)" to read "(paragraphs 2.7.11. to 2.7.15., 2.7.18., 2.7.20. and 2.7.22. to 2.7.25.)".

Paragraph 5.2., amend the reference to "paragraphs 2.7.9., 2.7.10. and 2.7.18." to read "paragraphs 2.7.9., 2.7.10. and 2.7.19."

Paragraph 5.15., amend to read (inserting a new entry at the end):

"5.15.
retro-reflective marking: white or yellow to the side;
red to the rear. **/

**/ Nothing in this Regulation shall preclude the Contracting Parties applying this Regulation from allowing the use of yellow line or contour markings to the rear in their territories."

Paragraph 5.22., amend to read:

"5.22. With the exception of retro-reflectors, a lamp even bearing an approval mark is deemed not to be present when it cannot be made to operate by the sole installation of a light source."

Paragraph 6.1.2., amend to read:

"6.1.2. Number

Two or four

For vehicles of the category N₃:
Two extra main-beam headlamps may be installed.

Where a vehicle is fitted with"

Paragraph 6.1.7.1., amend to read:

"6.1.7.1. The main-beam headlamps may be switched on either simultaneously or in pairs. In case the extra two main-beam headlamps are installed, as permitted under paragraph 6.1.2. for vehicles of the category N₃ only, no more than two pairs may be simultaneously lit. For changing over from the dipped to the main beam"

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

".....

Dipped-beam headlamps with a light source having an objective luminous flux which exceeds 2,000 lumen shall only be installed in conjunction with the installation of headlamp cleaning device(s) according to Regulation No. 45. 4/ In addition, with respect to vertical inclination, the provisions of paragraph 6.2.6.2.2. above shall not be applied."

Insert new paragraphs 6.21. to 6.21.3.2., to read:

"6.21. RETRO-REFLECTIVE STRIP MARKING BY MEANS OF SIDE AND REAR RETRO-REFLECTIVE LINES AND CONTOUR MARKINGS (Regulation No. 104)

6.21.1. Presence

Prohibited on vehicles of category M₁.
Optional on vehicles of other categories (M₂, M₃, N₁, N₂, N₃, O₁, O₂, O₃ and O₄).

6.21.2. Arrangement

6.21.2.1. Retro-reflective marking materials installed on vehicles may be made up of an element or of several elements and must be mounted as close as possible to horizontally or vertically, compatible to the design and operation requirements of the vehicle.

6.21.2.2. The lower edge of the retro-reflective marking shall have a minimum height above the ground of at least 250 mm.

6.21.3. Position

6.21.3.1. The mounting of the markings should identify as close as possible the entire length and width (strips) or shape (contour markings) of the vehicle. "Entire" means at least 80 per cent of the length and/or width of a marked vehicle.

6.21.3.2. In case of non-continuous strips the distance between single elements should be as small as possible and should not exceed 50 per cent of the shortest element length."

