

~~Distr.~~  
~~GENERAL~~

~~TRANS/WP.29/GRE/2001/13/Rev.2~~  
~~1 October 2002~~

~~Original: ENGLISH~~

~~ECONOMIC COMMISSION FOR EUROPE~~

~~INLAND TRANSPORT COMMITTEE~~

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

~~Working Party on Lighting and Light Signalling (GRE)~~  
~~(Forty-ninth session, 30 September - 4 October 2002,~~  
~~agenda item 1.3.)~~

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

Note: This document was prepared for consideration by the expert from GTB. It reflects the decision of GRE to delete paragraph 6.21. in TRANS/WP.29/GRE/2001/13/Rev.2, in order to submit the proposal for side and rear retro-reflective strip and contour markings (Regulation No. 104) to WP.29 for consideration at its next session.

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

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**A. PROPOSAL**

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: 1/

"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."

Paragraphs 2.7.17. (former) to 2.7.24., renumber as paragraphs 2.7.18. to 2.7.25.

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 lines and contour markings: **white or yellow to the side ; red to the rear. 1/**"

Insert new paragraph 6.21. to 6.21.4., to read:

"6.21. SIDE AND REAR RETRO-REFLECTIVE STRIP AND CONTOUR MARKINGS (Regulation No. 104)

6.21.1. Presence

Optional.

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 the horizontal and/or vertical plane, compatible to the design and operation requirements of the vehicle.**

6.21.2.2. **The lower part of the retro-reflective marking should 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 percent 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 percent of the shortest element length."

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