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Working Party on the Construction of Vehicles

Working Party on Lighting and Light-Signalling (GRE)

(Forty-second session, 14-16 April 1999,
agenda item 2.1.)

PROPOSAL FOR DRAFT AMENDMENTS (SUPPLEMENT 3) TO REGULATION No. 50

(Position, stop and direction indicator lamps for motor cycles)

Revision 1

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 introduce into Regulation No. 50 the test procedure for devices with LEDs and some clarification regarding the existing provisions. It is a revision of document TRANS/WP.29/GRB/1999/5 which was based on a document distributed without a symbol (informal document No. 12) during the forty-first session of GRE (TRANS/WP.29/GRE/41, para. 37).

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

A. PROPOSAL

Paragraph 2.5.3. and footnote 1/, should be deleted.

Paragraph 5.5.3., amend to read:

"5.5.3. In the general case of a direction indicator: a number indicating the category 11 or 12 close to the circle according to the paragraph 5.5.1. and on the opposite side to the approval number;"

Paragraph 5.7., amend to read:

"5.7. The approval mark referred to in paragraph 5.5 above shall be clearly legible and be indelible. It may be placed on an inner or outer part (transparent or not) of the device emitting the light. In any case the marking shall be visible when the device is fitted on the vehicle or when a movable part such as the seat or a compartment cover is opened."

Paragraph 7.1., delete the reference to footnote 4/ and footnote 4/.

Paragraph 7.4.3., should be deleted.

Paragraph 7.5., to be renumbered as paragraph 7.5.1.

Add a new paragraph 7.5.2., to read:

"7.5.2. In the case of a single lamp containing more than one light source:

- (i) the lamp shall comply with the minimum intensity required when any one light source has failed, and
- (ii) when all light sources are illuminated the maximum intensity specified for a single lamp in paragraphs 7.1. to 7.4. for an assembly of two lamps is given by multiplying by 1.4. the value prescribed for a single lamp.

All light sources which are connected in series are considered to be one light source."

Paragraph 7.7.2., amend to read:

"..... of the light distribution table.
If the rear position lamp or the stop lamp or both contain more than one light source and are considered as single lamps as defined in paragraph 7.5.2., the values to be considered are those obtained with all light sources in operation."

Paragraph 7.11., should be deleted.

Insert a new paragraph 14., to read:

- "14. TRANSITIONAL PROVISIONS
- 14.1. Devices not equipped with filament lamps
- 14.1.1. As from the date of entry into force of supplement 3 to this Regulation, no Contracting Party applying this Regulation shall refuse to grant approvals under this Regulation as amended by supplement 3.
- 14.1.2. As from (36) months after the date of entry into force, Contracting Parties applying this Regulation shall grant approvals only if the type of devices as described in paragraph 14.1 above meets the requirements of this Regulation as amended by supplement 3.
- 14.1.3. Contracting Parties applying this Regulation shall not refuse to grant extensions of approvals to this Regulation as amended by supplement 2.
- 14.1.4. Contracting Parties applying this Regulation shall continue to grant approvals to those types of devices as described in paragraph 14.1. above which comply with the requirements of this Regulation as amended by supplement 2 during the (36) months' period which follows the date of entry into force of supplement 3.
- 14.2. Fitting of devices described in paragraph 14.1 above on a vehicle.
- 14.2.1. As from the date of entry into force of supplement 3 to this Regulation, no Contracting Party applying this Regulation shall prohibit the fitting on a vehicle of devices described in paragraph 14.1. above approved under this Regulation as amended by supplement 3.
- 14.2.2. Contracting Parties applying this Regulation shall continue to allow the fitting on a vehicle of devices described in paragraph 14.1. above approved to this Regulation as amended by supplement 2 during the 48 months' period which follows the date of entry into force of supplement 3.
- 14.2.3. Upon the expiration of a period of 48 months after the date of entry into force of supplement 3, Contracting Parties applying this Regulation may prohibit the fitting of devices described in paragraph 14.1. above which do not meet the requirements of this Regulation as amended by supplement 3 on a new vehicle for which type approval or individual approval was granted more than 24 months after the date of entry into force of supplement 3.

14.2.4. Upon expiration of a period of 60 months after the date of entry into force of supplement 3, Contracting Parties applying this Regulation may prohibit the fitting of devices as described in paragraph 14.1. above which do not meet the requirements of this Regulation as amended by supplement 3 on a new vehicle first registered more than 60 months after the date of entry into force of supplement 3."

Annex 1,

Paragraph 4, and the relevant drawing, should be deleted.

Paragraph 5, to be renumbered as paragraph 4.

Annex 3,

Paragraph 3, Note, item 2 should be deleted.

Annex 4,

Paragraph 3., amend the title to read:

"3. TEST CONDITIONS

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Add a new paragraph 3.3., to read:

"3.3. For any signalling lamps except those equipped with filament lamps the luminous intensities measured after one minute and after 30 minutes of operation shall comply with the minimum and maximum requirements; direction indicators shall be operated in the flashing mode ($f = 1.5$ Hz, duty factor 50 %). The luminous intensity distribution after one minute of operation can be calculated from the luminous intensity distribution after 30 minutes of operation by applying at each test point the ratio of luminous intensities measured at HV after one minute and after 30 minutes of operation."

Annex 6

Paragraph 4., add a new subparagraph to read:

".....

For an illuminating device not equipped with filament lamps, the luminance values measured after one minute and after 30 minutes of operation shall comply with the minimum requirements. The luminance distribution after one minute of operation can be calculated from the luminance distribution after 30 minutes of operation by applying at each test point the ratio of luminance values measured at one point after one minute and after 30 minutes of operation."

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B. JUSTIFICATION

See the relevant paragraphs in document TRANS/WP.29/GRB/1999/5.
