

Proposal for Supplement 18 to Regulation No. 50 (Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps, direction indicators and rear-registration-plate illuminating devices for vehicles of category L)

The text reproduced below was prepared by the expert from the International Motorcycle Manufacturers Association (IMMA) to introduce specific requirements for multi light sources direction indicator lamps failure detection, which were inadvertently omitted in Supplement 17 to UNECE Regulation 50. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

I Proposal

Paragraph 7.5.1., amend to read:

- "7.5.1. In the case of a single lamp, **other than a direction indicator lamp**, containing more than one light source:
- (a) ~~Except for a direction indicator lamp,~~ The lamp shall comply with the minimum intensity required in the table of standard light distribution in space as shown in Annex 4 when any one light source has failed;
 - (b) ~~All~~ **A group of** light sources ~~which are connected in series are~~ , **wired so that the failure of any one of them causes all of them to stop emitting light, shall be** considered to be one light source

After paragraph 7.5.1. insert a new paragraph 7.5.2., to read:

- "7.5.2. **In the case of a direction indicator lamp containing more than one light source:**
- 7.5.2.1. **A group of light sources, wired so that the failure of any one of them causes all of them to stop emitting light, shall be considered to be one light source;**
 - 7.5.2.2. **A signal for activation of the tell-tale prescribed in paragraph 6.3.8. of Regulation No. 53 shall be produced if:**
 - (a) **Any one light source has failed, or**

- (b) In the case of a lamp designed for only two light sources, the intensity in the axis of reference is less than 50 per cent of the minimum intensity, or
- (c) As a consequence of a failure of one or more light sources, the intensity in one of the following directions as indicated in Annex 4 to this Regulation is less than the minimum intensity required:
 - (i) $H=0^\circ, V=0^\circ$
 - (ii) $H=20^\circ$ to the outside of the vehicle, $V=+5^\circ$
 - (iii) $H=10^\circ$ to the inside of the vehicle, $V=0^\circ$.”

II Justification

With Supplement 17 to UNECE Regulation 50, requirements for multi light sources lamps failure detection were introduced, being in line with those of the UNECE Regulations relating to approval of signalling lamps for the other vehicles categories (M, N, O, T).

Since in UNECE Regulation 6 direction indicator lamps have specific requirements for failure detection, different from those of the other signalling lamps, in Supplement 17 to UNECE Regulation 50 they were excluded from the requirements applicable to the other signalling lamps. However, the specific requirements for direction indicator lamps were not introduced, by mistake, in the Supplement.

The present proposal is aimed to correct the above mistake, introducing specific requirements for multi light sources direction indicator lamps failure detection, aligned to those contained in paragraph 6.2.2. of UNECE Regulation 6.

In the same time, it is also proposed to update the wording of paragraph 7.5.1., to adequate it to the introduction of paragraph 7.5.2. and to align the text of point (b) of that paragraph to the latest wording of the corresponding paragraphs in the other UNECE Regulations.
