

Proposal for Supplement 25 to the 01 series of amendments to Regulation No. 6 (direction indicators)

The text reproduced below was prepared by the experts from the Netherlands and the United Kingdom, as an informal document, in response to the proposal (document ECE/TRANS/WP.29/GRE/2013/13) from the experts from France and Germany to implement direction indicator lamps with a variable apparent surface into UN Regulation No. 6. The modifications to the existing text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Paragraph 2.2.4., amend to read:

"2.2.4. For a direction indicator lamp of categories 1, 1a, 1b, 2a and 2b, information regarding the signal according to paragraph 5.6. and ~~6.4.2-6.2.2.~~ below.

Insert new paragraphs 5.6. and 5.6.1., to read:

"5.6. For direction indicators of the categories 1, 1a, 1b, 2a or 2b, intentionally changing the luminous intensity during a flash inside the maximum apparent surface is allowed, if all photometric and colorimetric requirements as well as the following conditions are met:

- (a) the minimum intensity as specified for the specific category, together with the luminous-intensity distribution reproduced in the relevant table of Annex 4, shall be achieved at least from ~~[160]~~ ms onwards after the flash has started;
- (b) the variation shall propagate in a horizontal orientation outwards only, until all light sources of the lamp are switched on [during the time needed to reach the minimum intensity];
- (c) the variation is horizontally oriented from inside the vehicle in direction of the outer side of the vehicle;
- (d) once lit, the light source shall remain lit until all light sources of the lamp shall be switched off simultaneously at the end of the flash;
- (e) the test shall be carried out in flashing mode.5.6.1. A note shall be made in paragraph 9 of the communication form in Annex 2 to this Regulation."

Annex 2, item 9 amend to read:

"9. Concise description: ...

Variable luminous intensityyes/no 2/

Changing luminous intensity (see paragraph 5.6. to this Regulation).....yes/no 2/"

II. Justification

1. After a practical presentation made by the expert from GTB on a variable direction indicator (with a variable apparent surface) at the sixty-eighth session of GRE, it was clear that requirements are needed to ensure that only safe solutions can be approved, i.e. the propagation of signal is in a short time frame, less than the ignition of filament lamps (see for background information Informal document GRE-68-36, page 6), and with a clear horizontal orientation in outboard direction.

2. The proposed variation of the direction indicators helps avoid confusion with the vehicle indication devices and improves the awareness of road users about intended turning of the vehicle. Therefore it is not allowed to use such propagating flashing for the hazard warning signal or for the emergency stop signal (UN Regulation No. 48).

3. While amending paragraph 2.2.4., a misleading reference was corrected.

4. The proposal is linked closely to the new paragraph 5.9.3. in UN Regulation No. 48.