

Proposal for Supplement 6 to the 06 series of amendments to Regulation No. 48 (Installation of lighting and light-signalling devices)

Note: This informal document is submitted to start a discussion with the goal to improve the existing text and to create a requirement, which is in line with the principles of road safety. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Paragraphs 6.19.7.5. and 6.19.7.6., amend to read:

- "6.19.7.5. (a) If the distance between a **daytime running lamp and a direction-indicator lamp of categories 1, 1a or 1b is equal or less than 40 mm, during the entire period (both ON and OFF cycle) of activation of the direction-indicator lamp, this daytime running lamp shall,**
- either be switched OFF, or
 - its luminous intensity shall be reduced to **[25%]** or less of its original luminous intensity values.
- (b) **If the distance between a daytime running lamp and a direction-indicator lamp of categories 1, 1a or 1b is larger than 40 mm, during the entire period (both ON and OFF cycle) of activation of the direction-indicator lamp, the luminous intensity of this daytime running lamp may be reduced to [25%] or less of its original luminous intensity values.**
- 6.19.7.6. If a **daytime running lamp is reciprocally incorporated with a direction indicator lamp of categories 1, 1a or 1b, this daytime running lamp shall be switched OFF** during the entire period (both ON and OFF cycle) of activation of the direction-indicator lamp;"

II. Justification

The existing text results in different readings, with complete different results, of which some are in contradiction with the needs for the visibility of direction indicator lamps at day time conditions and therefore with the demands for road safety.

The new proposal is clearer, gives the manufacturers more freedom, is advancement with regard of road safety because with this proposal the visibility of direction indicator lamps could be improved and the masking of the direction indicator function could be avoided.

The open question is to how specify the necessary reduced level in Regulation No. 48 in a good way. A possible solution could be the addition of the famous sentence "Compliance with these conditions shall be demonstrated by the applicant, by simulation or other means of verification accepted by the Type Approval Authority".
