

Proposal to amend GRE/2019/20

I. Proposal

Paragraph 6.19.7.4. amend to read:

"6.19.7.45. At least the rear position lamps may be switched ON together with the daytime running lamps ~~at least the rear position lamps shall be switched ON. Other lamps may also be switched ON according to paragraph 5.11.~~ when the ambient light outside the vehicle is between [1,000] lux and [7,000] lux.

In case of one or more of the following conditions is/are detected, at least the rear position lamps shall be switched ON:

- (a) The wetness of the road has been detected;
- (b) The windshield wipers have been switched ON and used at least [3] times within the past [1] minute

Other lamps may also be switched ON according to paragraph 5.11.

II. Justification:

1. During the Meeting of the Interested Experts in Brussels it was mentioned that the justification for a mandatory switching ON of DRL together at least with the rear position lamps is rain. It may happen that creation of water swirl will mask the rear of the vehicle. To avoid such situation, it should be mandatory when the road is wet or the windshield wipers are continuously activated that at least the rear position lamps are together ON with the Daytime Running Lamps. Such a requirement would help to reduce CO₂-emissions because the rear position lamps have not to be ON all the time. It would also be beneficial for the live time of the rear position lamps.

2. In addition, it is clarified that between [1,000] lux and [7,000] lux at least the rear position lamps can be switched ON. Below 1,000 lux Annex 13 of UN R48 is requesting that the dipped-beams are switched ON and an above 7,000 lux the dipped-beams have to be switched OFF.
