

Proposal for amendments to Regulation No. 48

Note: The text reproduced below was prepared by the expert from Canada and proposes to introduce provisions for automatic switching of dipped beam headlamps. This document is an alternative to ECE/TRANS/WP.29/2007/20/Rev.1/Amend.1.

A. PROPOSAL

Paragraph 6.2.7.1., amend to read (including the references to footnotes x/):

- "6.2.7.1. If daytime running lamps are installed and operate according with paragraph 6.19. the dipped-beam headlamps shall be switched ON and OFF automatically relative to the ambient lighting conditions (e.g. during nighttime driving conditions, tunnels, etc. as described in annex __ [NL proposal GRE-59-3]).
- 6.2.7.2. Paragraph 6.2.7.1. does not apply if dipped beam headlamps are switched ON and OFF manually and:
 - 6.2.7.2.1. the vehicles instrument panel is not illuminated during the daytime and a clearly visible daytime running lamp tell-tale specified in ISO 2575 is present, or
 - 6.2.7.2.2. headlamps and the lamps referred to in paragraph 5.11. are also switched on.
- 6.2.7.3. For the purpose of paragraph 6.2.7.2.2. the total power drawn by lamps referred to in paragraph 5.11. shall not exceed [xx W].
- 6.2.7.4. If the dipped beam headlamps are switched ON and OFF automatically it shall be always possible to manually switch the dipped-beam headlamps ON and OFF under the following conditions:
 - 6.2.7.4.1. When the dipped beam headlamps are manually switched ON, either of the following applies:
 - 6.2.7.4.1.1. the dipped beam headlamps may continue to operate until the device that activates the propulsion system of the vehicle is switched OFF, at which time the automatic switching shall be restored, or
 - 6.2.7.4.1.2. an audible warning shall be given, if the device that activates the propulsion system of the vehicle is switched OFF and the driver's door is opened while the dipped beam headlamps switch is in the ON position.
 - 6.2.7.4.2. When the dipped beam headlamps are manually switched OFF, the dipped beam headlamps or daytime running lamps shall switch ON automatically depending on the ambient lighting conditions.

However, the dipped beam headlamps and the daytime running lamps may remain switched OFF, if the transmission control is in the park or neutral position or the parking brake is applied."

B. JUSTIFICATION

Paragraphs 6.2.7.4. were already discussed and adopted by 58th GRE.

Paragraphs 6.2.7.1. to 6.2.7.3. provide alternatives to the automatic switching of dipped beam. The Wattage limit proposed in 6.2.7.3. attempts to address the environmental issue of increased power demand and associated air pollution.
