

Proposal for improvement and clarification for the new [09] series of amendments to UN Regulation No. 48

I. Proposal

Paragraph 2.5.3., amend to read:

2.5.3. "Direction-indicator lamp" means the lamp used to indicate to other road-users that the driver intends to change direction to the right or to the left. A direction-indicator lamp or lamps may also be used according to the provisions of UN Regulations No. 97, ~~or No. 116,~~ **162 and/or 163.**"

Insert a new paragraph 5.9.4., to read:

"5.9.4. Answer-back signal may flash and/or vary in luminous intensity and/or vary in apparent surface.

These lamps shall operate according to the conditions specified in general specifications and/or in dedicated paragraphs 6.27."

The lamp(s) used for answer-back signal shall operate according to the conditions specified in general specifications and/or in dedicated paragraphs 6.27"

Paragraph 5.15., amend to read:

"5.15. The colours of the light emitted by the lamps¹⁰ are the following:

...

Adaptive front-lighting systems (AFS): White

Exterior courtesy lamp: White

In addition, in accordance with the individual specifications applicable to the specific lamp used for the exterior courtesy lamp.

Manoeuvring lamp: White

Answer-back signal: In accordance with the individual specifications applicable to the specific lamp used for the answer-back signal."

6.24.9.1.2. The exterior courtesy lamp or lamps may vary in luminous intensity and/or vary in apparent surface. The photometric characteristics of the exterior courtesy lamp(s) may vary in relation to the position of vehicle users. No sharp variation of intensity shall be observed during transition.

6.24.9.2. Approved lamps emitting white light with the exception of main beam head lamps, daytime running lamps and reversing lamps may be switched ON as

~~exterior courtesy lamp(s) function.~~ **In addition, rear position lamps, the parking lamps, the side marker lamps and/or the end-outline marker lamps may be switched ON.** ~~They may also be switched ON together with the exterior courtesy lamps and the conditions of paragraph 5.11. and 5.12. above may not apply.~~

- 6.24.9.3. The technical service shall, to the satisfaction of the Type Approval Authority, perform a visual test to verify that there is no direct visibility of the apparent surface of the exterior courtesy lamps, if viewed by an observer moving on the boundary of a zone on a transverse plane 10 m from the front of the vehicle, a transverse plane 10 m from the rear of the vehicle, and two longitudinal planes 10 m from each side of the vehicle; these four planes to extend from 1 m to 3 m above and perpendicular to the ground as shown in Annex 14.

~~At the request of the applicant and with the consent of the Technical Service this requirement may be verified by a drawing or simulation.~~

- 6.24.9.4. The requirements of paragraph 6.24.9.3. shall be deemed to be satisfied if the applicant can prove that the luminous intensity of light emitted directly during the observation test described in Annex 14 is not more than 0.5 cd per lamp.**

- 6.24.9.5. At the request of the applicant and with the consent of the Technical Service, the requirements of paragraph 6.24.9.3. may also be verified by a drawing or simulation.**

- 6.27.7.3. The lamps **used for the answer-back signal** may operate in combination.

- 6.27.9.2. The answer-back signal may only be activated automatically in conjunction with the locking and unlocking of the door(s) and/or the detection of the vehicle user in proximity to the vehicle.

- 6.27.9.3. The **lamps used for answer-back signal** may flash and/or vary in luminous intensity and/or **vary in** apparent surface.

- 6.27.9.5. **Compliance with the requirements of paragraphs 6.27.9.1. to 6.27.9.4. shall be demonstrated by the applicant, using test reports or other means of verification accepted by the Type Approval Authority. The information shall be indicated in the communication form."**

II. Justification

1. OICA reviewed the different proposals adopted in GRE 88th session in April that will become part of the draft 09 series of amendments to UN Regulation No.48, and based on compile document SLR-63-05/Rev.1. OICA propose the following improvements and clarifications:

2. Paragraph 2.5.3.: For direction indicator lamp, it is needed to make the same amendment as in paragraph 2.5.20. for external status indicator: addition of the latest UN Regulation Nos for Vehicle Alarm System (VAS), Alarm System (AS) and immobilizer, as direction indicator lamps may also be used.

3. Paragraph 5.9.4. - 'vary in': clarification as well in paragraphs 6.24.9.1.2. and 6.27.9.3.

4. Paragraph 5.9.4.: Alternative proposal to improve the clarity of the second sentence in this paragraph.

5. Paragraph 5.15.: clarification. In some circumstances, approved lamps, in colours other than white, may be used for exterior courtesy lamps, as defined in paragraph 6.24.9.2.

6. Paragraph 6.24.9.2.: '/or' added in order to avoid mandatory switching ON of all these lamps in the list, if chosen to be switched ON with exterior courtesy lamps.

7. Paragraph 6.24.9.4.: In document GRE-88-16 Rev.3, adopted at 88th GRE session, OICA does not agree with the proposal because the consent of the Technical Service is needed to provide the luminous intensity measurement result for light emitted directly during the observation test described in Annex 14 (not more than 0.5 cd per lamp). For the time being, the consent of the Technical Service is requested when submitting a drawing or simulation only. An optical measurement is an objective test, it should not be subject to agreement from the Technical Service.

The OICA proposal is to copy the existing requirement for exterior courtesy lamps (6.24.9.3.) and to insert the part for luminous intensity measurement separately, without the need for the consent of the Technical Service.

8. Paragraph 6.27.7.3.: Clarification proposed here to specify that this paragraph applies to the lamps used for answer-back signal. Same for paragraph 6.27.9.3.

9. Paragraph 6.27.9.5.: The requirement is not necessary, there is no need to record this information in the Communication Form. Therefore, OICA proposes to delete this sentence.