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Item 4.9.4 of the provisional agenda

**1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRE**

Proposal for Supplement 1 to the 05 series of amendments to Regulation No. 48 (Installation of lighting and light-signalling devices)

Submitted by the Working Party on Lighting and Light-Signalling *

The text reproduced below was adopted by the Working Party on Lighting and Light-Signalling (GRE) at its sixty-sixth session in order to introduce the installation of manoeuvring lamps. It is based on ECE/TRANS/WP.29/GRE/2011/59, as amended by paragraph 22 of the report (ECE/TRANS/WP.29/GRE/66, para. 22). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration.

* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106, ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Insert a new paragraph 2.7.31., to read:

"2.7.31. "Manoeuvring lamp" means a lamp used to provide supplementary illumination to the side of the vehicle to assist during slow manoeuvres."

Paragraph 5.15., amend to read:

"5.15. The colours of the ...
...
Adaptive front- lighting systems (AFS): white.
Exterior courtesy lamp: white.
Manoeuvring lamp: white."

Insert new paragraphs 6.26. to 6.26.9.2., to read:

"6.26. Manoeuvring lamps (Regulation No. 23)

6.26.1. Presence
Optional on motor vehicles.

6.26.2. Number
One or two (one per side)

6.26.3. Arrangement
No special requirement, however the requirements of paragraph 6.26.9. apply.

6.26.4. Position
No special requirement.

6.26.5. Geometric Visibility
No special requirement.

6.26.6. Orientation
Downwards, however the requirements of paragraph 6.26.9. apply.

6.26.7. Electrical Connections
Manoeuvring lamps shall be so connected that they cannot be activated unless the main-beam headlamps or the dipped-beam headlamps are switched ON at the same time.
The manoeuvring lamp(s) shall be activated automatically for slow manoeuvres up to 10 km/h provided that one of the following conditions is fulfilled:

- (a) Prior to the vehicle being set in motion for the first time after each manual activation of the propulsion system; or
- (b) Reverse gear is engaged; or
- (c) A camera based system which assists parking manoeuvres is activated

The manoeuvring lamps shall be automatically switched off if the forward speed of the vehicle exceeds 10 km/h and they shall remain switched off until the conditions for activation are met again.

- 6.26.8. Tell-tale
No special requirement.
- 6.26.9. Other requirements
- 6.26.9.1. The Technical Service shall, to the satisfaction of the authority responsible for type-approval, perform a visual test to verify that there is no direct visibility of the apparent surface of these 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 parallel to the ground as shown in Annex 13.
- 6.26.9.2. At the request of the applicant and with the consent of the Technical Service the requirement of 6.26.9.1 may be verified by a drawing or simulation or deemed be satisfied if the installation conditions comply with paragraph 6.2.3 of Regulation No. 23, as noticed in the communication document in Annex 1, paragraph 9."

Annex 1

Insert a new paragraph 9.26., to read:

"9.26. Manoeuvring lamps: yes/no¹....."

Paragraphs 9.26. (former) and 9.27., renumber as paragraphs 9.27. and 9.28.

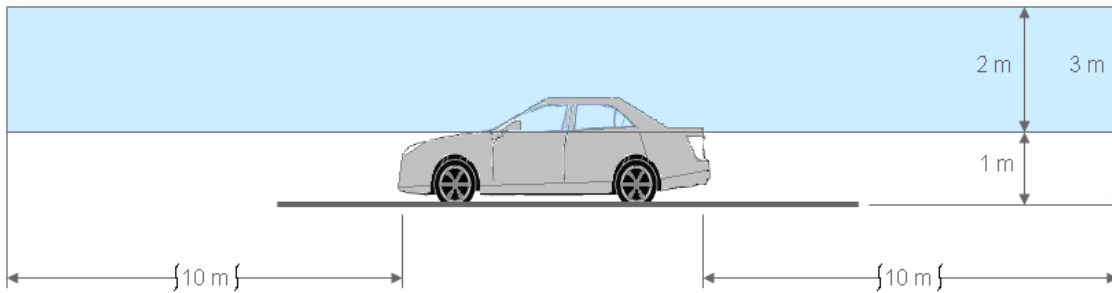
Insert a new Annex 13, to read:

"Annex 13

Observing area towards the apparent surface of manoeuvring lamps

Zones of observation

This drawing shows the zone from one side, the other zones are from the front, the rear and from the other side of the vehicle



Boundaries of the zones

