United Nations

Economic and Social Council

Distr.: General
10 August 2018

Original: English

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Eightieth session
Geneva, 23-26 October 2018
Item 7 (b) of the provisional agenda
Other UN Regulations:
UN Regulation No. 53 (Installation of lighting and light-signalling devices for L₃ vehicles)

Proposal for a new supplement to the 01 series of amendments and to the 02 series of amendments to UN Regulation No. 53 (Installation of lighting and light-signalling devices for L₃ category vehicles)

Submitted by the expert from the International Motorcycle Manufacturers Association (IMMA)*

The text reproduced below was prepared by the expert from IMMA with the aim to allow exterior courtesy lamps being fitted on motorcycles. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

Please recycle

I. Proposal

Insert a new paragraph 2.34., to read:

"2.34. **"***Exterior courtesy lamp***" means a lamp used to provide supplementary illumination to assist the mounting and dismounting of the vehicle driver and passenger or in loading operations. "**

Paragraph 5.9., amend to read:

"5.9. ~~No red light shall be visible towards the front and no white light shall be visible towards the rear. Compliance with this requirement shall be verified as shown hereunder~~ **No red light which could give rise to confusion shall be emitted from a lamp as defined in paragraph 2.5. in a forward direction and no white light which could give rise to confusion, shall be emitted from a lamp as defined in paragraph 2.5. in a rearward direction. No account shall be taken of lighting devices fitted for the interior lighting of the vehicle. In case of doubt, this requirement shall be verified as follows** (see drawing in Annex 4)…"

Paragraph 5.13., amend to read:

"5.13. Colours of the lights

…

Emergency stop signal: amber or red

Exterior courtesy lamp: white"

Insert a new paragraph 5.15.6., to read:

"**5.15.6.** **Exterior courtesy lamp (paragraph 6.15.).**"

Insert a new paragraph 6.15., to read:

"**6.15.** **Exterior courtesy lamp**

6.15.1. **Presence**

Optional for motorcycles.

6.15.2. **Number**

One or two; however further exterior courtesy lamps to illuminate footrest are permitted. Each footrest shall be illuminated by not more than one lamp.

6.15.3. **Arrangement**

No special requirement, however the requirements of paragraph 6.15.9.3. apply.

6.15.4. **Position**

No special requirement.

6.15.5. **Geometric visibility**

No special requirement.

6.15.6. **Orientation**

No special requirement.

6.15.7.   Electrical connections

No special requirement.

6.15.8.   Tell-tale

No special requirement.

6.15.9.   Other requirements

6.15.9.1.   The exterior courtesy lamp shall not be activated unless the vehicle is stationary and one or more of the following conditions is satisfied:

(a)   The device which starts and/or stops the engine (propulsion system) is set in a position which makes it impossible for the engine (propulsion system) to operate; or

(b)   A load compartment is opened for access.

The provisions of paragraph 5.9. shall be met in all fixed positions of use.

6.15.9.2.   Approved lamps emitting white light with the exception of main beam headlamps and day time running lamps may be activated as courtesy lamp function. They may also be activated together with the exterior courtesy lamps and the condition of paragraphs 5.10. and 5.11. above may not apply.

6.15.9.3.   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 7.

In addition to the conditions described in paragraph 5.4., the requirements prescribed above shall be verified in one or more of the following vehicle conditions:

Stand: On a prop stand or a centre stand, and both if applicable

Steering: Straight ahead, and locked in each available position

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

Annex 1, insert a new item 9.22., to read:
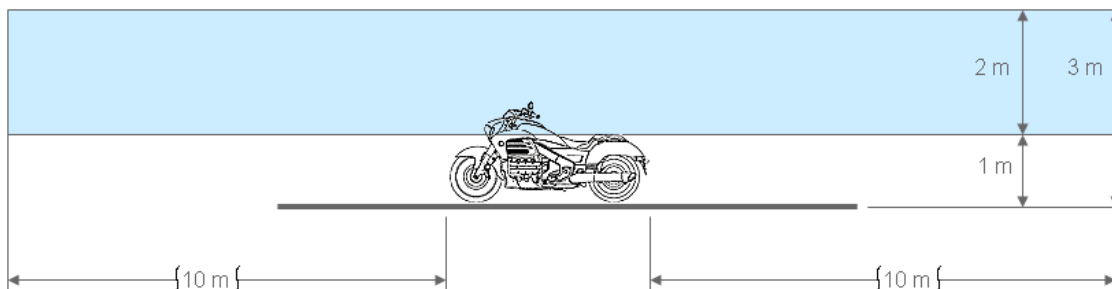
"9.22.   Exterior courtesy lamp: yes/no[2] "

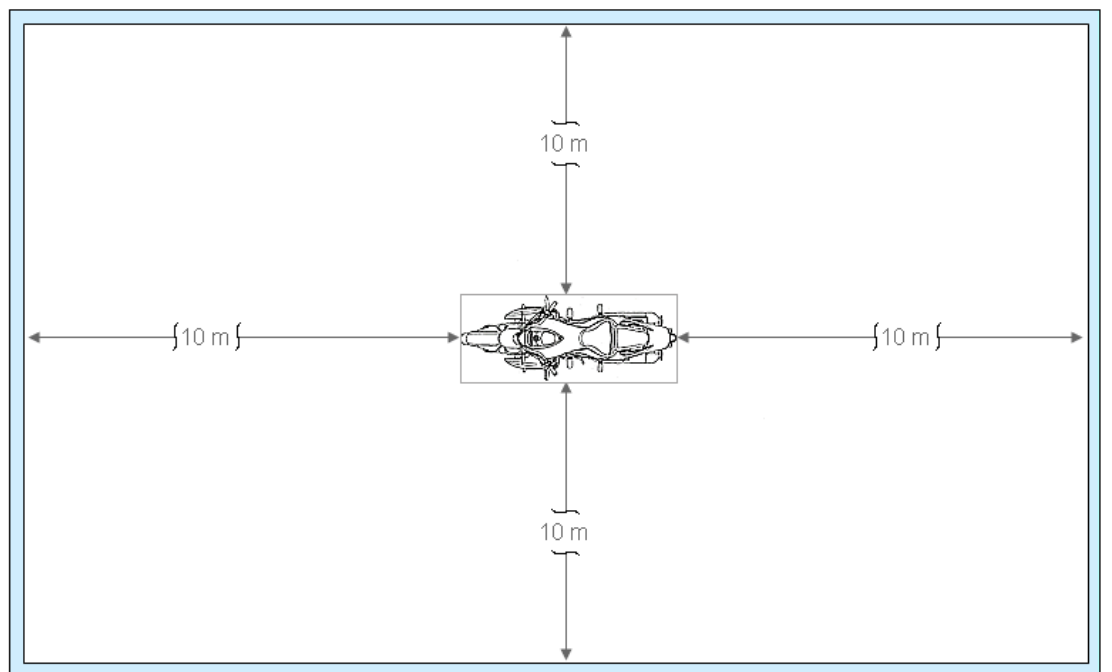*Insert a new Annex 7,* to read:

"Annex 7

Observing area towards the apparent surface of exterior courtesy 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.

2 m   3 m

1 m

10 m   10 m

Boundaries of the zones

10 m

10 m   10 m

10 m

"

II. Justification

1. This proposal aims to allow exterior courtesy lamps being fitted on motorcycles.

2. UN Regulation No. 48 has explicitly allowed the exterior courtesy lamps since 2009.

3. Some motorcycles are currently available with courtesy lamps. However, it is not clear whether the scope of UN Regulation No. 53 covers such courtesy lamps or not. Therefore, this proposal amends UN Regulation No. 53 to explicitly include the definition and requirements of exterior courtesy lamps by aligning the text with UN Regulation No. 48.

4. During the discussion held at the seventy-ninth session of GRE, questions were raised about the vehicle conditions during verification. To respond to these questions, this proposal supersedes ECE/TRANS/WP.29/GRE/2018/26 by extending paragraph 6.15.9.3.