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World Forum for Harmonization of Vehicle Regulations (WP.29)
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PROPOSAL FOR DRAFT SUPPLEMENT 5 TO THE 02 SERIES
OF AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

Transmitted by the Working Party on Lighting
and Light-Signalling (GRE)

Note: The text reproduced below was adopted by GRE at its forty-eighth session and is transmitted for consideration to WP.29 and AC.1. It is based on documents TRANS/WP.29/GRE/2002/8 and TRANS/WP.29/GRE/2002/14, as amended, complemented by a set of Transitional Provisions proposed by an expert from the Working Party "Brussels 1952" (TRANS/WP.29/GRE/48, paras. 19-22).

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<http://www.unece.org/trans/main/welcwp29.htm>

Paragraph 6.3.4.2., amend to read:

"6.3.4.2. In height:
minimum: Not less than 250 mm above the ground.
maximum: For M₁ and N₁ category vehicles not more than
800 mm above the ground; For all other categories
of vehicles no maximum height.

However, no point on the apparent surface in the direction
of the reference axis must be higher than the highest point
on the apparent surface in the direction of the reference
axis of the dipped-beam headlamp."

Paragraphs 6.4. to 6.4.6., amend to read:

"6.4. REVERSING LAMP

6.4.1. Presence

Mandatory on motor vehicles and on trailers of categories O₂,
O₃ and O₄. Optional on trailers of category O₁.

6.4.2. Number

6.4.2.1. One device mandatory and a second device optional on motor
vehicles of category M₁ and on all other vehicles with a
length not exceeding 6000 mm.

6.4.2.2. Two devices mandatory and two devices optional on all
vehicles with a length exceeding 6,000 mm, except vehicles
of category M₁.

6.4.3. Arrangement

No special requirement.

6.4.4. Position

6.4.4.1. In width: no special requirement.

6.4.4.2. In height: not less than 250 mm and not more than 1,200 mm
above the ground.

6.4.4.3. In length: at the rear of the vehicle.

However, if installed, the two optional devices mentioned
in paragraph 6.4.2.2. shall be fitted on the side or rear
of the vehicle, in conformity with the requirements of
paragraphs 6.4.5. and 6.4.6.

6.4.5. Geometric visibility

Defined by angles α and β , as specified in paragraph 2.13.;

α = 15° upwards and 5° downwards,

β = 45° to right and to left if there is only one device,
45° outwards and 30° inwards if there are two.

The reference axis of the two optional devices mentioned in paragraph 6.4.2.2., if fitted on the side of the vehicle shall be orientated sideward horizontally with an inclination of $10^{\circ} \pm 5^{\circ}$ in relation to the median longitudinal plane of the vehicle.

6.4.6. Orientation

Rearwards and sideward, as specified in paragraph 6.4.5. above.

All the reversing lamps fitted on the vehicle must not cause undue dazzle or discomfort to other road users."

Paragraph 6.4.7.2., amend to read:

"6.4.7.2. Moreover, the electrical connections of the two optional devices mentioned in paragraph 6.4.2.2. shall be such that these devices cannot light up unless the lamps referred to in paragraph 5.11. are switched on."

Insert new paragraphs 12.9. to 12.12., to read:

"12.9. As from the official date of entry into force of Supplement 5 to the 02 series of amendments no Contracting Party applying this Regulation shall refuse to grant approvals under this Regulation as amended by Supplement 5 to the 02 series of amendments.

12.10. As from 36 months after the date of entry into force of Supplement 5 to the 02 series of amendments Contracting Parties applying this Regulation shall grant approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by Supplement 5 to the 02 series of amendments.

12.11. Contracting Parties applying this Regulation shall not refuse to grant extensions of approvals to the preceding series of amendments to this Regulation, including Supplement 4 to the 02 series of amendments.

12.12. Contracting Parties applying this Regulation shall continue to grant approvals to those vehicle types which comply with the requirements of this Regulation as amended by Supplement 4 to the 02 series of amendments during the 36 months period which follows the official date of entry into force of Supplement 5 to the 02 series of amendments."
