



**Economic and Social
Council**

Distr.
GENERAL

TRANS/WP.29/896
20 December 2002

ENGLISH
Original: ENGLISH AND FRENCH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

DRAFT SUPPLEMENT 5 TO THE 02 SERIES
OF AMENDMENTS TO REGULATION No. 48

(Installation of lighting and light-signalling devices)

Note: The text reproduced below was adopted by the Administrative Committee (AC.1) of the amended 1958 Agreement at its twenty-second session, following the recommendation by WP.29 at its one-hundred-and-twenty-eighth session. It is based on document TRANS/WP.29/2002/56, not amended (TRANS/WP.29/885, para. 132).

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."
