

**Economic and Social Council**

Distr.: General
3 February 2025

Original: English

Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Lighting and Light-Signalling****Ninety-second session**

Geneva, 22–25 April 2025

Item 6 (a) of the provisional agenda

Installation UN Regulations:

UN Regulation No. 48 (Installation of Lighting and Light-Signalling Devices)

Proposal for a Supplement to the 06, 07, 08 and 09 series of amendments to UN Regulation No. 48**Submitted by the experts from the International Automotive Lighting and Light-Signalling Expert Group ***

The text reproduced below was prepared by the experts from the International Automotive Lighting and Light-Signalling Expert Group (GTB) with the aim to allow the installation of side-marker lamps combined with retro-reflectors on the lateral foremost position on semi-trailers. The proposed modifications to the current text of the UN Regulations are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2025 as outlined in proposed programme budget for 2025 (A/79/6 (Sect. 20), table 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



I. Proposal

Paragraph 6.17.4.3., amend to read:

“6.17.4.3. In length: at least one side retro-reflector shall be fitted to the middle third of the vehicle, the foremost side retro-reflector being not further than 3 m (**4 m for semi-trailers**) from the front.

The distance between two adjacent side retro-reflectors shall not exceed 3m. This does not, however, apply to M₁ and N₁ Category vehicles.

If the structure, design or the operational use of the vehicle makes it impossible to comply with such a requirement, this distance may be increased to 4m. The distance between the rearmost side retro-reflector and the rear of the vehicle shall not exceed 1m. However, for motor vehicles the length of which does not exceed 6m, it is sufficient to have one side retro-reflector fitted within the first third and/or one within the last third of the vehicle length.

However, for motor vehicles the length of which does not exceed 6m, it is sufficient to have one side retro-reflector fitted within the first third and/or one within the last third of the vehicle length. For M₁ Vehicles the length of which exceeds 6m but does not exceed 7m it is sufficient to have one side retro-reflector fitted not further than 3m from the front and one within the last third of the vehicle length.”

II. Justification

1. At the eighty-fourth session of the Working Party on Lighting and Light-Signalling (GRE), Germany proposed to expand the 3m criteria for the foremost side-marker lamp up to 4m on semi-trailers (ECE/TRANS/WP.29/GRE/2021/8). The proposal was agreed by GRE (ECE/TRANS/WP.29/GRE/84, paras. 24 and 25) and subsequently adopted by WP.29 at its 185th session in November 2021.

2. As stated in the justification of ECE/TRANS/WP.29/GRE/2021/8, the required distance of the foremost side-marker lamp of 3 m from the front cannot always be achieved in case of semi-trailers, nevertheless it should be installed as close as possible to the front.

3. Usually, side-marker lamps are combined devices including also retro-reflectors. A different requirement for the foremost side-marker lamp and the foremost retro reflector interferes with this typical arrangement and two devices may be needed. This situation may result in a semi-trailer having a side-marker lamp with an incorporated side retro-reflector at 4 m from the front and, additionally, a separate side retro-reflector at 3 m.

4. Semi-trailers are vehicles of categories O₃ and O₄ and installation of conspicuity markings is mandatory for these vehicles (as per paragraph 6.21.1.2.2.1. (b)). Therefore, there is no negative effect on the lateral visibility of parked vehicles.

5. The proposed text allows the installation of combined side-marker lamps with retro-reflectors on the lateral foremost position on semi-trailers.
