

## **Proposal for amendments to Regulation No. 48 (Installation of lighting and light-signalling devices)**

The text reproduced below was prepared by the expert from OICA to present comments on the informal document GRE-67-04 submitted by Germany, regarding the discussion on marking of the cab of a motor vehicle, as agreed during the sixty-sixth session of GRE (see ECE/TRANS/WP.29/GRE/66 para. 7).

The modifications to the existing text of the informal document GRE-67-04 are marked in bold for new or strikethrough for deleted characters.

### **I. Proposal**

*Add a new paragraphs 2.7.17.3. to 2.7.17.5, to read:*

**2.7.17.3. "Required length for conspicuity marking" means the length, which shall be marked in accordance to this Regulation. "**

**2.7.17.4 "Unmarked front" (A in drawing ??), is the distance between the foremost conspicuity marking and the front end of the vehicle (in case of trailers excluding the drawbar). The maximum value is 600 mm as described in paragraph 6.21.4.2.1., or alternatively [~~1.800~~ **2.400**] mm for motor vehicles if paragraph 6.21.4.2.1.1.is fulfilled.**

**2.7.17.5 "Unmarked end" (B in drawing ??), is the distance between the rearmost conspicuity marking and the rear end of the vehicle. The maximum value is 600 mm as described in paragraph 6.21.4.2.1.**

*Paragraph 6.21.4.2., amend to read:*

#### 6. 21. 4. 2. Length

6.21.4.2.1. The conspicuity marking shall be as close as practicable to the ends of the vehicle and reach to within 600 mm of each end of the vehicle (or cab in the case of tractor units for semi-trailers).

6.21.4.2.1.1. for motor vehicles, each end of the vehicle, or in the case of tractors for semi-trailers each end of the cab;

**however, an alternative marking mode of the front end of the motor vehicle is allowed where a series of retro-reflectors of Class IV of Regulation No. 3 or Class C of Regulation No. 104 are mounted fulfilling the following:**

- **Retro-reflector size minimum 25 cm<sup>2</sup>**
- **One retro-reflector mounted not more than 600 mm from the front of the vehicle**
- **Additional retro-reflectors spaced not more than [~~400~~ **1000**] mm apart**
- **The distance between the last retro-reflector and the start of the conspicuity marking shall not exceed [~~600~~ **800**] mm**

6.21.4.2.1.2. for trailers, each end of the vehicle (excluding the drawbar).

6.21.4.2.2. The cumulative horizontal length of the conspicuity marking elements, as mounted on the vehicle, excluding any horizontal overlap of individual elements, shall equate to at least 80 per cent of:

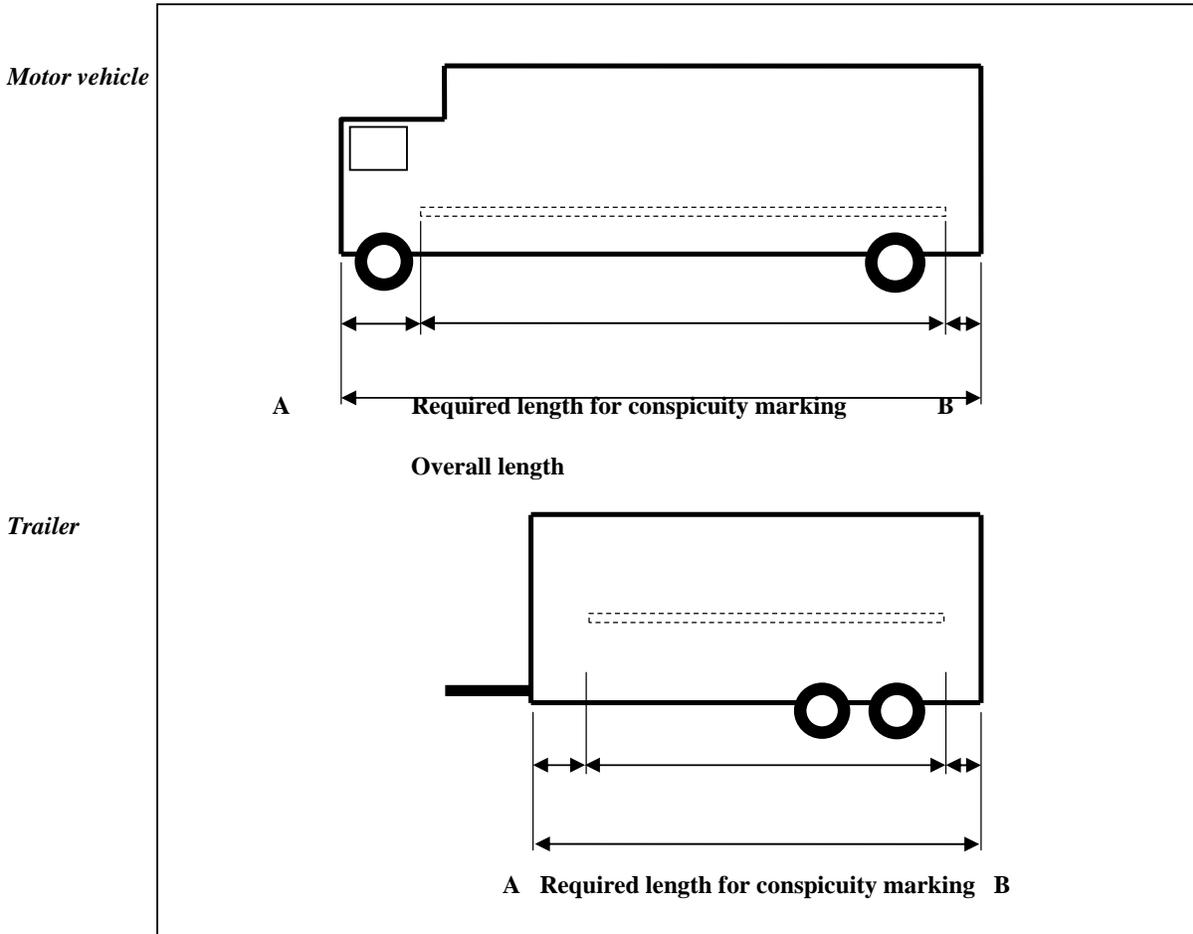
6.21.4.2.2.1. for motor vehicles, length of **the required length for conspicuity marking of a motor vehicle** excluding the cab, or in the case of tractors for semi-trailers, if fitted, the length of the cab;

6.21.4.2.2.2. for trailers, length of **the required length for conspicuity marking of a trailer** vehicle (excluding the drawbar).

*Add a new (sub)paragraph 6.21.4.2.2.3., to read:*

**6.21.4.2.2.3. The required length for conspicuity marking shall be determined as follows (see also figure below):**

- For a motor vehicle, the overall length of the vehicle minus the unmarked end and minus the unmarked front;
- For a trailer, the overall length of the vehicle excluding the drawbar minus the unmarked end and minus the unmarked front.



**Figure 1 Overall length excluding the drawbar**

6. 21. 4. 2. 3. However, if the manufacture can prove to the satisfaction of the authority responsible for type approval that it is impossible to achieve the value referred to in paragraph 6. 21. 4. 2. 2. above, the cumulative length may be reduced to 60 per cent or, if this is not possible in case of especially difficult vehicle designs or applications, to at least 40 per cent and shall be indicated in the communication document and test report **16/** .

## **II. Justification**

This proposal aims to present comments on the informal document GRE-67-04 submitted by Germany, reflecting the OICA understanding of the outcome of the discussion held in London regarding the marking of the cab of a motor vehicle.