



## Economic and Social Council

Distr.: General  
6 August 2014

Original: English

---

### Economic Commission for Europe

#### Inland Transport Committee

#### World Forum for Harmonization of Vehicle Regulations

#### Working Party on Lighting and Light-Signalling

#### Seventy-second session

Geneva, 20–22 October 2014

Item 4 (i) (iv) of the provisional agenda

**Other business – Any other business**

### **Proposal for Supplement 16 to the 02 series of amendments to Regulation No. 3 (Retro-reflecting devices)**

#### **Submitted by the expert from the International Automotive Lighting and Light Signalling Expert Group (GTB)\***

The text reproduced below was prepared by the expert from GTB to clarify the testing procedures. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

---

\* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

## I. Proposal

Add a new paragraph 4.1.3., to read:

"4.1.3. On devices with reduced light distribution, in conformity with paragraphs 3.2. or 3.4. in Annex 7 to this Regulation, a vertical arrow starting from a horizontal segment and directed downwards."

Paragraph 5.2., amend to read:

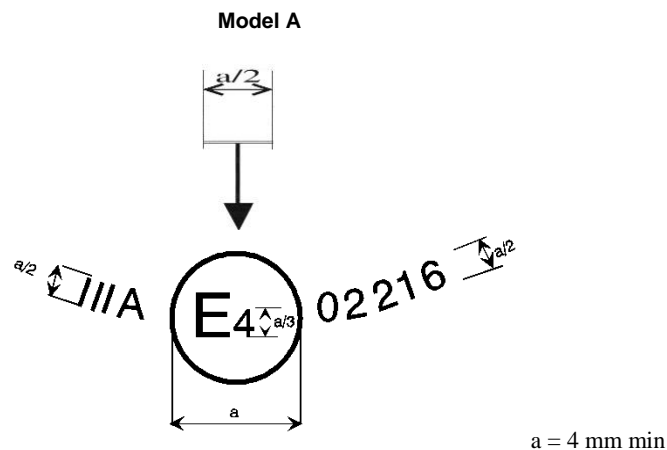
"5.2. If the approval granted in respect of a retro-reflecting device is extended to other such devices differing only in colour, the two samples in any other colour submitted in conformity with paragraph 3.1.4. of this Regulation shall be required to meet only the colorimetric **and photometric** specifications, the other tests no longer being required. This paragraph is not applicable to devices of Class IVA."

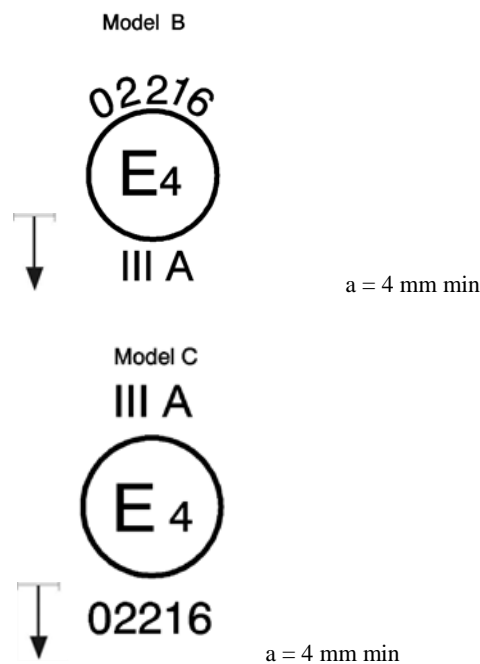
Annex 2, item 9., amend to read:

"9. Concise description:  
 In isolation/part of an assembly of devices:<sup>2/</sup> .....  
 Colour of light emitted: white/red/amber:<sup>2/</sup> .....  
 Installation as an integral part of a lamp which is integrated into the body of a vehicle: yes/no<sup>2/</sup>  
 Geometric conditions of installation and relating variations, if any: .....  
**Only for limited mounting height of equal to or less than 750 mm above the ground: yes/no<sup>2/11</sup>**"

Annex 3, figure 1., amend to read (addition of downward pointing arrow):

"Figure 1  
 (Marking for single lamps)





Note:

The above approval number must be placed close to, but in any position in relation to, the circle surrounding the letter "E". The digits constituting the approval number must face the same way as the "E". The group of symbols indicating the class must be diametrically opposite the approval number.

**The vertical arrow starting from a horizontal segment and directed downwards indicates a permissible mounting height of equal to or less than 750 mm from the ground for this device and can be placed either above or below the circle surrounding the letter "E" or at its side, close to the group of symbols indicating the class or the digits constituting the approval number.**

The Type Approval Authorities shall avoid using approval numbers IA, IB, IIIA, IIIB and IVA which might be confused with the class symbols IA, IB, IIIA, IIIB and IVA.

These sketches show various possible arrangements and are given as examples only.

The above approval mark affixed to a retro-reflecting device shows that the type of device concerned has been approved in the Netherlands (E4) under approval number 02216. The approval number shows that approval was granted in accordance with the requirements of the Regulation as modified by the 02 series of amendments."

## II. Justification

1. The addition of a new paragraph 4.1.3. and the corresponding amendments to Annexes 2 and 3 take account of the recent introduction of devices with reduced light distribution to be mounted not higher than 750 mm.
2. Paragraph 5.2. of Regulation No. 3 includes a reference to paragraph 3.1.4 that requires the holder of the trade name or mark, or if necessary their duly accredited representative, to submit "if necessary, two samples in other colour(s) for simultaneous or subsequent extension of the approval to devices in other colour(s)". The Photometry

Working Group has concluded that the text of 5.2. should clarify the necessity to check the photometry because a change of colour also relates to a change in the production process.

---