



# Economic and Social Council

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## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### One-hundred-and-fifty-second session

Geneva, 9–12 November 2010

Item 4.2.1 of the provisional agenda

#### **1958 Agreement – Consideration of draft amendments to existing Regulations by GRE**

### **Proposal for Supplement 12 to the 02 series of amendments to Regulation No. 3 (Retro-reflecting devices)**

#### **Submitted by the Working Party on Lighting and Light-Signalling (GRE)\***

The text reproduced below was adopted by the Working Party on Lighting and Light-Signalling (GRE) at its sixty-third session. It is based on ECE/TRANS/WP.29/GRE/2010/18 as amended by Annex IV to the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration (ECE/TRANS/WP.29/GRE/63 para. 22).

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\* In accordance with the programme of work of the Inland Transport Committee for 2006–2010 (ECE/TRANS/166/Add.1, 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.

*Annex 4,*

*Paragraph 3.1., amend to read:*

“3.1. a colour which satisfies the conditions laid down in Annex 6. This shall be ...”

*Annex 6,*

*Paragraph 2., amend to read:*

“2. When the retro-reflecting device is illuminated by CIE standard illuminant A, with an angle of divergence of 1/3 degrees and an illumination angle of  $V = H = 0$  degrees, or, if this produces a colourless surface reflection, an angle  $V = +/- 5$  degrees,  $H = 0$  degrees, the trichromatic coordinates of the reflected luminous flux must be within the limits according to paragraph 2.30. of Regulation No. 48.

*Insert new paragraphs 3. to 3.2., to read:*

“3. Clear retro-reflecting devices must not produce a selective reflection, that is to say, the trichromatic coordinates “x” and “y” of the standard illuminant “A” used to illuminate the retro-reflecting device must not undergo a change of more than 0.01 after reflection by the retro-reflecting device.

3.1. This shall be verified by the visual comparison test indicated above, the control field being illuminated by a light source of which the trichromatic coordinates differ by 0.01 from that of standard illuminant A.

3.2. In case of doubt, the trichromatic coordinates for the most selective sample shall be determined.”

*Annex 14,*

*Paragraph 4.1., amend to read:*

“4.1. A colour which satisfies the conditions laid down in Annex 6. This shall be ...”

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