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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations****Working Party on Lighting and Light-Signalling****Ninety-fourth session**

Geneva, 27-30 April 2026

Item 4 of the provisional agenda

**Simplification of lighting and light-signalling UN Regulations****Proposal for a Supplement to the 01 series of amendments to  
UN Regulation No. 150****Submitted by the Informal Working Group on Simplification of  
Lighting and Light-Signalling Regulations\***

The text reproduced below was prepared by the Informal Working Group on Simplification of Lighting and Light-Signalling Regulations (IWG SLR) with the aim to correct errors and omissions in UN Regulation No. 150. The proposed modifications to the current text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2026 as outlined in proposed programme budget for 2026 (A/80/6 (Sect. 20), table 20.7), 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

[Add a new paragraph 3.3.2.5., to read:

**“3.3.2.5. On devices with reduced light distribution, in conformity with paragraph 5.1.4.5. of this Regulation, a vertical arrow starting from a horizontal segment and directed downwards.”]**

Paragraph 5.1., amend to read:

“5.1. Technical requirements concerning retro-reflectors of the Classes IA, ~~and IB, IIIA, IIIB and IVA~~ (Symbols "IA", ~~and "IB", IIIA, “IIIB” and “IVA”~~)  
 ...”

Paragraph 5.1.3.1., amend to read:

“5.1.3.1. ...  
 These two samples shall be kept by the laboratories for any further checks which may be found necessary.

~~Four samples out of the remaining eight samples shall be selected at random and divided into two groups of two in each group.~~

**5.1.3.1.1. Class IA, Class IB, Class IIIA and Class IIIB**

The other eight samples shall be divided into four groups of two:

...

Fourth group: The two samples shall be subjected to the ~~resistance to weathering~~ **colour-fastness** test (Part ~~67~~ of Annex 6).

**5.1.3.1.2. Class IVA**

**Four samples out of the remaining eight samples shall be selected at random and divided into two groups of two in each group.**

**First group: The two samples shall be subjected successively to the water penetration test (Part 2 of Annex 6) and then, if this test is satisfactory, to the tests for resistance to fuels and lubricants (Parts 1 and 2 of Annex 7).**

**Second group: The two samples shall, if necessary, be subjected to the corrosion test in Part 4 of Annex 6, and then to the abrasive-strength test of the rear face of the retro-reflective device in Part 5 of Annex 6, these two samples shall also be subjected to the impact test in Part 4 of Annex 8.”**

Paragraph 5.2.5.2.1., delete.

Paragraph 5.2.6.3., amend to read:

“5.2.6.3. The testing of the day-time colour for retro-reflective device shall be carried out according to the method described in paragraph 4.2.2.

**Retroreflective devices of classes 1, 2, 3 and 4 shall be composed of yellow retro-reflective and red retro-reflective or yellow retro-reflective and red fluorescent materials.**

**The colour of the material in new condition shall be located within the area defined by the chromaticity co-ordinates in Table 8 and comply with the luminance factor.**

**Table 8  
 Chromaticity co-ordinates x and y**

<i>Colour</i>		<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>Luminance factor</i> <i>β<sub>v,R</sub></i>
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Yellow	x	0.545	0.487	0.427	0.465	≥ 0.16
	y	0.454	0.423	0.483	0.534	
Red	x	0.690	0.595	0.569	0.655	≥ 0.03
	y	0.310	0.315	0.341	0.345	

Paragraph 5.2.6.4., amend to read:

“5.2.6.4. Luminance factor determined in accordance to Part 2 of Annex 4:

for red colour shall be  $\beta_{v,R} \geq 0.03$ ,

for yellow colour shall be  $\beta_{v,R} \geq 0.16$ ,

for white colour, it shall be  $\beta_{v,R} \geq 0.25$ ,

**except classes C, D, E and D/E.**”

Paragraph 5.3.4.2., Table 8, renumber to Table 9.

Paragraph 5.3.5.1.2., Table 9, renumber to Table 10.

Paragraph 5.3.5.2.2., Table 10, renumber to Table 11.

Annex 1, item 5., amend to read:

“5. **Submitted for approval on** ~~Date on which the marking material was submitted for approval tests:~~”

Annex 6, Part 4, paragraph 4.2., for Table 9 read Table 10 and for Table 10 read Table 11.

Annex 6, insert a new Part 7 to read:

## “Part 7 - Colour-fastness<sup>1</sup> of retro-reflective devices of the Classes IA, IB, IIIA, IIIB and IVA

1. **The Type Approval Authority which granted approval shall have the right to check the colour-fastness of a type of retro-reflective device in service.**
2. **The Type Approval Authorities of countries other than the country in which approval was granted may carry out similar checks in their territory. If a type of retro-reflector in use exhibits a systematic defect, the said authorities shall transmit any components removed for examination to the Type Approval Authority which granted approval, with a request for its opinion.**
3. **In the absence of other criteria, the concept "systematic defect" of a type of retro-reflector in use shall be interpreted in conformity with the intention of paragraph 3.6.1. of this Regulation.”**

## II. Justification

The proposed modifications are intended to correct errors and omissions in the 01 series of amendments to UN Regulation No. 150. Further details can be found in informal document GRE-94-02.

<sup>1</sup> Despite the importance of tests to check the colour-fastness of retro-reflective devices, in the present state of the art not it is yet possible to assess colour-fastness by laboratory tests of limited duration.