

**Economic and Social Council**Distr.: General
9 August 2016

Original: English

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

Geneva, 25–28 October 2016

Item 7 (a) of the provisional agenda

Other Regulations: Regulation No. 6 (Direction indicators)**Proposal for Supplement 27 to the 01 series of amendments
to Regulation No. 6 (Direction indicators)****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 make a direct reference to Regulation No. 48 concerning categories of direction indicator and to align the maximum luminous intensity values for the different categories. The modifications to the existing text of the 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 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, 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.

GE.16-13758(E)



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I. Proposal

Paragraph 6.1., table, amend to read:

"6.1. The light emitted by each of the two devices supplied must be in the case of direction indicators of categories 1, 1a, 1b, 2a, 2b, in the reference axes, in the case of direction indicators of categories 5 or 6 in direction A according to Annex 1 of not less than the minimum intensity and of not more than the maximum intensity specified below:

Direction indicator of category	Minimum luminous intensity in cd	Maximum luminous intensity in cd when used as	
		A single lamp	A lamp marked "D" (see paragraph 4.2.2.3. above)
1	175	1000 1200	500 600
1a	250	1200	600
1b	400	1200	600
2a (steady)	50	500	250
2b (variable)	50	1000	500
5	0.6	280	140
6	50	280	140

"

Annex 1, amend to read:

"Categories of direction indicators: Minimum angles required for light distribution in space of these Categories of direction indicators¹

In all cases, the minimum vertical angles of light distribution in space of direction indicator lamps are 15° above and 15° below the horizontal except:

- Direction indicator lamps intended to be installed with the H plane of the lamp at a mounting height of less than 750 mm above the ground, for which they are 15° above and 5° below the horizontal;
- Optional direction indicator lamps intended to be installed with the H plane of the lamp at a mounting height of more than 2100 mm above the ground, for which they are 5° above and 15° below the horizontal;
- Direction indicator lamps of Category 6, for which they are 30° above and 5° below the horizontal.

Minimum horizontal visibility angles

~~Direction indicators for the front of the vehicle~~ **Front direction indicator lamps of Categories 1, 1a or 1b shall be installed on the vehicle in conformity with the requirements of paragraph 6.5.3. of Regulation No. 48.**

~~Category 1:~~ For use at a distance not less than 40 mm from the dipped beam headlamp and/or the front fog lamp;

~~Category 1a:~~ For use at a distance greater than 20 mm but less than 40 mm from the dipped beam headlamp and/or the front fog lamp;

Category 1b: ~~For use at a distance less than or equal to 20 mm from the dipped beam headlamp and/or the front fog lamp.~~

...

(the remaining text is unchanged).”

II. Justification

1. Paragraph 6.5.3. of Regulation No. 48 prescribes the use of specific categories of front direction indicators in relation to their distance from the dipped beam headlamp or front fog lamp. However, the text is such that categories 1a and 1b are allowed to be used also at any distance greater than the minimum prescribed for each of them. On the contrary, the present text of Regulation No. 6, Annex 1 is such that a specific category is allowed to be used only in the specific range of distance prescribed.

2. This proposed amendment deletes the specific requirements in Regulation No. 6 and introduces a direct reference to the requirements in Regulation No. 48.

3. As a consequence of the above-mentioned amendment, there is no reason to require a lower maximum value for the Category 1 front direction indicator than that of the other categories. Therefore, it is proposed to align the maximum luminous intensity value of Category 1 to that of Categories 1a and 1b.
