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**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

One-hundred-and-forty-seventh session  
Geneva, 10 - 13 March 2009  
Item 4.2.5 of the provisional agenda

1958 AGREEMENT

Consideration of draft amendments to existing Regulations

Proposal for Supplement 15 to the 02 series of amendments to Regulation No. 7  
(Front and rear position (side) lamps, stop lamps and end-outline marker lamps)

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

The text reproduced below was adopted by GRE at its sixtieth session. It is based on ECE/TRANS/WP.29/GRE/2008/52, not amended and on ECE/TRANS/WP.29/GRE/2008/62, as amended by Annex V to the report. It is submitted to WP.29 and AC.1 for consideration (ECE/TRANS/WP.29/GRE/60, paras. 26 and 30).

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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 performance of vehicles. The present document is submitted in conformity with that mandate.

The title, amend to read:

**"UNIFORM PROVISIONS CONCERNING THE APPROVAL OF FRONT AND REAR POSITION LAMPS, STOP-LAMPS AND END-OUTLINE MARKER LAMPS FOR MOTOR VEHICLES (EXCEPT MOTOR CYCLES) AND THEIR TRAILERS"**

Paragraphs 6.1., amend to read (delete the references to footnotes 3/ and 4/ and footnotes 3/ and 4/):

"6.1. The light emitted by each of the two devices supplied shall be in the reference axis, of not less than the minimum intensity and of not more than the maximum intensity specified below:

	Minimum luminous intensity in cd	Maximum luminous intensity in cd when used as		
		Single lamp	Lamp (single) marked "D" paragraph (4.2.2.6.)	Total for the assembly of two or more lamps
6.1.1. Front position lamps, front end-outline marker lamps	4	60	42	84
6.1.2. Front position lamps, incorporated in a head lamp	4	100		
6.1.3. Rear position lamps, rear end-outline marker lamps				
6.1.3.1. R1 (steady)	4	12	8.5	17
6.1.3.2. R2 (variable)	4	30	21	42
6.1.4. Stop-lamps				
6.1.4.1. S1 (steady)	60	185	130	260
6.1.4.2. S2 (variable)	60	521	365	730
6.1.4.3. S3 (steady)	25	80	55	110
6.1.4.4. S4 (variable)	25	114	80	160

6.1.5. For an assembly of two or more lamps the total intensity shall not exceed the maximum value prescribed for a single lamp, multiplied by 1.4.

6.1.6. When an assembly of two or more lamps having the same function is deemed to be a single lamp, it shall comply with the requirements for:

- (a) Maximum intensity if all lamps together are lit (last column of the table);
- (b) Minimum intensity if one lamp has failed.

6.1.7. In case of failure of a single lamp containing more than one light source the following provisions shall apply:

- 6.1.7.1. A group of light sources, wired so that the failure of any one of them causes all of them to stop emitting light, shall be considered to be one light source.
- 6.1.7.2. The lamp shall comply with the minimum intensity required when any one light source has failed. However, for lamps designed for only two light sources, 50 per cent of the minimum intensity in the axis of reference of the lamp shall be considered sufficient, provided that a note in the communication form states that the lamp is only for use on a vehicle fitted with an operating tell-tale which indicates when any one of these two light sources has failed;
- 6.1.8. When all light sources are illuminated the maximum intensity specified for a single lamp may be exceeded provided that the single lamp is not marked "D" and the maximum intensity specified for an assembly of two or more lamps is not exceeded."

Paragraphs 6.2.1. to 6.2.3., amend to read:

- "6.2.1. In each direction corresponding to the points in the light distribution table reproduced in Annex 4 to this Regulation, be not less than the product of the minimum specified in the table of paragraph 6.1. above, by the percentage specified in the said table of the direction in question;
- 6.2.2. In no direction within the space from which the light-signalling device is visible, exceed the maximum specified in the table of paragraph 6.1. above;
- 6.2.3. However, a luminous intensity of 60 cd shall be permitted for rear position lamps reciprocally incorporated with stop-lamps (see paragraph 6.1.3. above) below a plane forming an angle of 5° with and downward from the horizontal plane;"

Paragraphs 6.2.4.1. and 6.2.4.2., amend to read:

- "6.2.4.1. Throughout the fields defined in the diagrams in Annex 1, the luminous intensity of the light emitted must be not less than 0.05 cd for front and rear position lamps and end-outline marker lamps, not less than 0.3 cd for stop-lamps;
- 6.2.4.2. If a rear position lamp is reciprocally incorporated with a stop-lamp producing either steady or variable luminous intensity, the ratio between the luminous intensities actually measured of the two lamps when turned on simultaneously at the intensity of the rear position lamp when turned on alone should be at least 5 : 1 in the field delimited by the straight horizontal lines passing through  $\pm 5^\circ V$  and the straight vertical lines passing through  $\pm 10^\circ H$  of the light distribution table.

If the rear position lamp or the stop lamp or both contain more than one light source and are considered as a single lamp, the values to be considered are those obtained with all sources in operation;"

Annex 1, amend to read:

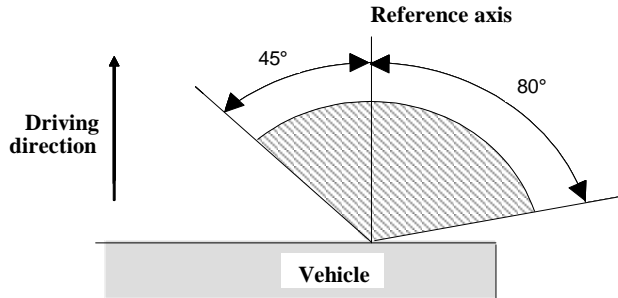
"Annex 1

FRONT AND REAR POSITION LAMPS, END-OUTLINE .....

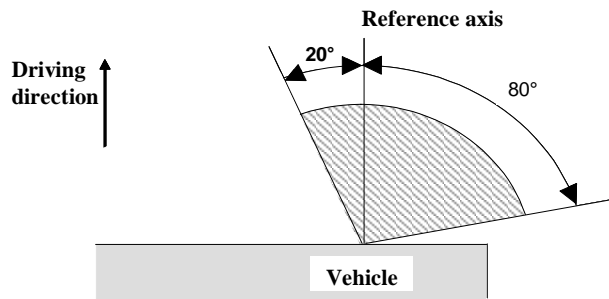
.....  
(b) for category S3 or S4 stop lamp for which they are 10° above and 5° below the horizontal;

Front position lamps,  
End-outline marker  
lamps

On and above the H  
plane for all lamps.  
Under the H plane for  
lamps intended for  
M2, M3, N2 or N3  
category vehicles.



Front position lamps,  
Under the H plane for  
M1 or N1 category  
vehicles.



H plane: "horizontal  
plane going through  
the reference centre of  
the lamp"

Rear position lamps  
end-outline marker  
lamps

....."

Annex 2,

Item 9, amend to read:

"9 Concise description

.....

Light source module specific identification code:.....

Only for installation on M<sub>1</sub> and/or N<sub>1</sub> category vehicles: yes/ no 2/

Only for limited mounting height of equal to or less than 750 mm above the ground:  
yes/ no 2/

....."

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