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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

Sixty-first session

Geneva, 30 March - 3 April 2009

Item 6(a) of the provisional agenda

REGULATION No. 19  
(Front fog lamps)

Proposal for draft amendments

Proposal for draft Corrigendum 3 to the 03 series of amendments to Regulation No. 19

Submitted by the expert from the Germany \*/

The text reproduced below was prepared by the expert from Germany in order to introduce some corrections to the text of Regulation No. 19, with regard to the photometric provisions applicable to a matched pair of front fog lamps. It is based on a document without symbol (GRE-59-31) distributed, adopted and then withdrawn for technical reasons during the fifty-ninth session of the Working Party on Lighting and Light-Signalling. The modifications to the current text of Regulation No. 19 are marked in bold.

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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.

## A. PROPOSAL

Paragraph 6.4.3., insert a new footnote \*\*\*/ to Line 6, 7 and Zone D, to read:

## "6.4.3. Photometric requirements

When so adjusted, the front fog lamp shall meet the photometric requirements in the table below (refer also to Annex 4, paragraph 2.2. of this Regulation):

Designated lines or zones	Vertical position <u>*/</u> above h + below h -	Horizontal position <u>*/</u> left of v: - right of v: +	Luminous intensity (in cd)	To comply
Point 1, 2 <u>**</u> /	+ 60°	± 45°	60 max	All points
Point 3, 4 <u>**</u> /	+ 40°	± 30°		
Point 5, 6 <u>**</u> /	+ 30°	± 60°		
Point 7, 10 <u>**</u> /	+ 20°	± 40°		
Point 8, 9 <u>**</u> /	+ 20°	± 15°		
Line 1 <u>**</u> /	+ 8°	- 26° to + 26°	90 max	All line
Line 2 <u>**</u> /	+ 4°	- 26° to + 26°	105 max	All line
Line 3	+ 2°	- 26° to + 26°	170 max	All line
Line 4	+ 1°	- 26° to + 26°	250 max	All line
Line 5	0°	- 10° to + 10°	340 max	All line
Line 6 <u>***</u> /	- 2.5°	<b>from 5° inwards to 10° outwards</b>	2,000 min	All line
Line 7 <u>***</u> /	- 6.0°	<b>from 5° inwards to 10° outwards</b>	< 50 per cent of max. on line 6	All line
Line 8L and R <u>***</u> /	-1.5° to - 3.5°	- 22° and + 22°	800 min	One or more points
Line 9L and R <u>***</u> /	-1.5° to - 4.5°	- 35° and + 35°	320 min	One or more points
Zone D <u>***</u> /	- 1° to - 3 °	- 10° to + 10°	8,400 max	Whole zone
<u>*/</u>	The co-ordinates are specified in degrees for an angular web with a vertical polar axis.			
<u>**</u> /	See paragraph 6.4.3.4.			
<u>***</u> /	See paragraph 6.4.3.2.			

"

Paragraph 6.4.3.2., amend to read:

"6.4.3.2. At the request of the applicant, two front fog lamps constituting a matched pair corresponding to paragraph 4.2.2.5. may be tested separately. In this case the specified requirements for lines **6, 7, 8, 9 and the Zone D** in the table in

paragraph 6.4.3. apply to half the sum of readings of the right-hand and left-hand side front fog lamp. **However each of the two front fog lamps shall meet at least 50 per cent of the minimum value required for line 6."**

B. JUSTIFICATION

The photometric requirements for the class F3 front fog lamp include the possibility of checking the compliance of a matched pair by superimposing the individual photometric data of the left and right mounted lamps. However, it has been found that the current text in the regulation omits the lines 6 and 7 and the zone D and as it is necessary to include these lines and zones in order to make the "matched pair" principle effective, a correction to the text of the regulation is necessary. This corrigendum does not affect existing type approvals.

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