



Economic and Social Council

Distr.: General
23 July 2010

Original: English
English and French only

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Sixty-fourth session

Geneva, 4–7 October 2010

Item 14(b) of the provisional agenda

Regulation No. 98 (Headlamps with gas-discharge light sources)

Proposal for Corrigendum 1 to the 01 series of amendments to Regulation No. 98

Submitted by the experts from the Working Party “Brussels 1952”*

The text reproduced below was prepared by the expert from the Working Party “Brussels 1952” (GTB) to amend the photometric requirements for the passing beam in Regulation No. 98 to improve visibility. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* 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.

I. Proposal

Paragraph 6.2.5., the table, amend to read:

“

Points or segments	Designation **/ Any point in zone A (bounded by the following coordinates in degrees)	Luminous Intensity (cd)		Horizontal Angle (Degrees)	Vertical Angle (Degrees)																
		Max	Min																		
	<table border="1"> <tr> <td>8L</td><td>8L</td><td>8R</td><td>8R</td><td>6R</td><td>1.5R</td><td>V-V</td><td>4L</td> </tr> <tr> <td>1U</td><td>4U</td><td>4U</td><td>2U</td><td>1.5U</td><td>1.5U</td><td>H-H</td><td>H-H</td> </tr> </table>	8L	8L	8R	8R	6R	1.5R	V-V	4L	1U	4U	4U	2U	1.5U	1.5U	H-H	H-H	625			
8L	8L	8R	8R	6R	1.5R	V-V	4L														
1U	4U	4U	2U	1.5U	1.5U	H-H	H-H														
1	HV	625		0	0																
2	B 50 L	350		3.43 L	0.57 U																
3	75 R		12500	1.15 R	0.57 D																
4	50 L	18480		3.43 L	0.86 D																
...																

”

II. Justification

1. This proposal intends to align the photometric requirements at the 50L test point of Regulation No. 98 with those of Regulation No. 123. Regulation No. 123 (Annex 3, footnote 9 of table 1) allows the maximum value at the 50L test point (13,200cd) to be increased by a factor of 1.4 if the “system’s use is confined to vehicles, providing a corresponding stabilization/ limitation of the system’s supply”.

2. A gas-discharge headlamp type approved according to Regulation No. 98 is always equipped with an electronic light source control gear (ballast), the conditions specified in Regulation No. 123 are always satisfied to control the voltage supply. Accordingly, it is proposed to specify the maximum intensity of 18 480cd for the 50L test point also in Regulation No. 98. This will improve, as already demonstrated in adaptive front-lighting system passing beams, visibility along the offside of the road, detection of pedestrians and obstacles without glaring drivers in the opposite traffic direction.