

**Economic and Social Council**Distr.: General  
14 January 2011Original: 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-fifth session**

Geneva, 28–31 March 2011

Item 5 (g) of the provisional agenda

**Collective amendments—Regulations Nos. 48 and 112****Proposal for Supplement 2 to the 01 series of amendments  
Regulation No. 112 (Headlamps emitting an asymmetrical  
passing beam)****Submitted by the expert from the Working Party "Brussels 1952"\***

The text reproduced below, relating to proposed amendments to Regulation No. 112 was prepared by the expert from the Working Party "Brussels 1952" (GTB) to adapt the definition "Light Emitting Diode (LED) Modules" in line with technological progress. An associated proposal for amendment to Regulation No. 48 is submitted in ECE/TRANS/WP.29/GRE/2011/20 and to introduce into the Regulation provisions for the LED light sources according to the draft Regulation (Regulation No. XXX: ECE/TRANS/WP.29/2010/44 and Corr.1). The modifications to the existing text of the Regulation, including draft Supplement 1 to the 01 series of amendments (ECE/TRANS/WP.29/2011/15), are marked in bold for new or strikethrough for deleted characters.

---

\* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106, ECE/TRANS/2010/8, 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 2.2.2., amend to read:

"2.2.2. A brief technical ... this shall include:  
...  
(b) A drawing with dimensions and the basic electrical and photometric values and the objective luminous flux **and for each LED module a statement whether it is replaceable or not;**  
..."

Insert a new paragraph 5.3.2.4., to read:

"5.3.2.4. **In the case of replaceable LED module the removal and replacement of this LED module, as described in Annex 10, paragraph 1.4.1. shall be demonstrated to the satisfaction of the technical service.**"

Insert a new paragraph 5.10., to read:

"5.10 The definitions in paragraphs 2.7.1.1.3 and 2.7.1.1.7. in Regulation No. 48 allow the use of LED module, which may contain holders for other light sources. Notwithstanding this provision a mixture of LED'(s) and other light sources for the principal dipped beam or the contributor to the bend lighting or each driving beam, as specified by this Regulation is not allowed."

Annex 1, item 9, amend to read:

"9. Brief description:  
...  
Measures according to paragraph 5.8. of this Regulation:.....  
Number and specific identification code(s) of LED module(s) **and for each LED module a statement whether it is replaceable or not: yes/no** <sup>2</sup> .....  
Number and specific identification code(s) of electronic light source control gear(s) .....  
..."

## II. Justification

1. This is a proposal to amend the definition of "LED Modules" and the associated provisions in Regulation No.112. A related proposal to amend the provisions in Regulation No.48 is submitted as ECE/TRANS/WP.29/GRE/2011/20.

2. The justification of the above proposal is referred to ECE/TRANS/WP.29/GRE/2011/20.

---