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Item 13 of the provisional agenda

Regulation No. 113 (Headlamps emitting a symmetrical passing beam)

Proposal for Supplement 1 to the 01 Series to Regulation No. 113 (Headlamps emitting a symmetrical passing beam)

Submitted by the expert from the Working Party "Brussels 1952"*

The text reproduced below was prepared by the expert from the Working Party "Brussels 1952" (GTB) to incorporate the revised definition of "LED Module". 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 2010–2014 (ECE/TRANS/208, para. 106, ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update UN 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 description. **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 12, paragraph 1.4.1., shall be demonstrated to the satisfaction of the technical service.**"

Insert a new paragraph 5.9., to read:

- "5.9. **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 passing beam or each driving beam, as specified by this Regulation is not allowed.**"

Insert a new paragraph 5.10., to read:

- "5.10. **A LED module shall be:**
- (a) **Only removable from its device with the use of tools, unless it is stated in the communication sheet that the LED module is non replaceable and;**
- (b) **So designed that regardless of the use of tool(s), it is not mechanically interchangeable with any replaceable approved light source.**"

Annex 1, item 9., amend to read:

- "9. Brief description:
- ...
- Number and category (ies) of gas-discharge light source, if any:
- Number and specific identification code(s) of LED modules **and for each LED module a statement whether it is replaceable or not: yes/no²**
- Number and specific identification code(s) ..."

II. Justification

This document aligns Regulation No. 113 with Regulation No. 112 (document ECE/TRANS/WP.29/GRE/2011/21) to let the applicant decide whether LED modules shall be replaceable or not.