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Item 4.9.11 of the provisional agenda

**1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRE**

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

Submitted by the Working Party on Lighting and Light-Signalling *

The text reproduced below was adopted by the Working Party on Lighting and Light-Signalling (GRE) at its sixty-sixth session in order to introduce Class A and B headlamps with LED and revise the definition of "LED Modules". It is based on ECE/TRANS/WP.29/GRE/2011/65, as amended by paragraph 28 of the report, and ECE/TRANS/WP.29/GRE/2011/56, not amended (ECE/TRANS/WP.29/GRE/66, paras. 28 and 38). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration.

* 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.

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;
 ..."

Paragraph 5.3., amend to read:

"5.3. Headlamps of class A, B, C or D shall be equipped with filament lamp(s) approved according to Regulation No. 37 and/or with (a) LED module(s)."

Paragraph 5.3.2.3., amend to read:

"5.3.2.3. The total objective luminous flux of all LED modules producing the passing beam shall be measured as described in paragraph 5. of Annex 12. The following minimum and maximum limits shall apply:

	<i>Headlamps Class A</i>	<i>Headlamps Class B</i>	<i>Headlamps Class C</i>	<i>Headlamps Class D</i>
Passing beam minimum	150 lumen	350 lumen	500 lumen	1 000 lumen
Passing beam maximum	900 lumen	1000 lumen	2 000 lumen	2 000 lumen

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) ..."
