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Item 4.9.1 of the provisional agenda

**1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRE****Proposal for Supplement 3 to the 04 series of amendments to
Regulation No. 19 (Front Fog Lamps)****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 to introduce provisions on the use of electronic light source control gear and to clarify the text of the Regulation. It is based on ECE/TRANS/WP.29/GRE/2011/40, as amended by paragraph 30 of the report, ECE/TRANS/WP.29/GRE/2011/41, not amended, ECE/TRANS/WP.29/2011/47, not amended, and GRE-66-18 as reproduced in paragraph 30 of the report (ECE/TRANS/WP.29/GRE/66, para. 30). 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.

Paragraphs 5.7. to 5.7.3., amend to read:

- "5.7. In the case of Class F3, irrespective of whether the light sources can be replaced or not, they shall be:
 - 5.7.1. One or more light sources approved according to;
 - 5.7.1.1 Regulation No. 37 and its series of amendments in force at the time of application for type approval, provided that no restriction on their use is made
 - 5.7.1.2 Or, Regulation No. 99 and its series of amendments in force at the time of application for type approval,
 - 5.7.2 And/or, one or more LED modules where the requirements of Annex 12 to this Regulation shall apply; compliance with these requirements shall be tested.
 - 5.7.3. And/or light generators where the requirements of Annex 12 to this Regulation shall apply. The compliance with the requirements shall be tested.

Paragraph 5.8., shall be deleted

Paragraph 6.4.1.4., amend to read:

- "6.4.1.4. In the case of LED modules:

All measurements on front fog lamps equipped with LED module(s) shall be made at 6.3 V, 13.2 V or 28.0 V respectively, if not otherwise specified within this Regulation. LED modules operated by an electronic light source control gear shall be measured with the input voltage as specified by the applicant or with a supply and operating device which replace this control gear for the photometric test. The relevant input parameters (e.g. duty cycle, frequency, pulse shape, peak voltage) shall be specified and stated in the communication form, item 10.6., in Annex 1 to this Regulation."

Paragraph 6.4.3.5., amend to read:

- "6.4.3.5. If the specified luminous intensity requirements are not met, a re-aim of the cut-off position within $\pm 0.5^\circ$ vertical and/or $\pm 2^\circ$ horizontal is allowed. In the re-aimed position all photometric requirements shall be met."

Annex 1, item 10.6, insert a new footnote ⁴, to read:

- "10.6. Application of electronic light source control gear³: yes/no²
 - Supply to the light source:
 - Specification of the light source control gear:
 - Input voltage⁴:
 - In the case of an electronic light source control gear not being part of the lamp:
 - Output signal specification:

⁴ The parameters of the input voltage including duty cycle, frequency, pulse shape and peak voltage shall be included."

Annex 5, paragraph 1.1.2.5., renumber as paragraph 1.1.2.(g).
