Transmitted by the expert from OICA

Informal document **GRE-68-21**
(68th GRE, 16-18 October 2012,
agenda item 18(g))

Proposal for amendments to ECE/TRANS/WP.29/GRE-68-04

(Proposal for amendment to Regulation No. 48)

I. Proposal

Paragraph 5.9.2., amend to read:

5. 9. 2. The photometric characteristics of any lamp**, ~~except from those producing the principal passing beam,~~** may vary:

(a) in relation to the ambient light;

(b) as a consequence of the activation of other lamps; or

(c) when the lamps is being used to provide another lighting function; provided that any variation in the photometric characteristics is in compliance with the technical provisions for the lamp concerned."

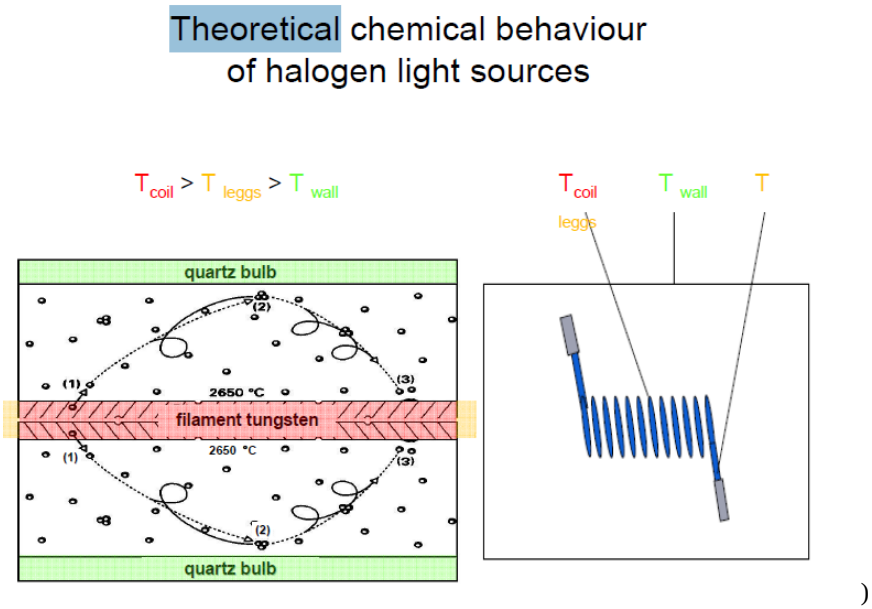
Delete paragraph 5.27.4., to read:

~~5.27.4. In the particular case where devices equipped with a filament light source produce the principal passing beam in conjunction with electronic light source control gear, the effective voltage (root-mean-square, r.m.s.) determined over a sufficient long time to measure the correct value at the terminals of the filament light source when the electrical system of the vehicle is in a constant voltage operating condition according to paragraph 5.27. shall not be less than 6.3 V (6 Volt Systems), 13.2 V (12 Volt Systems) or 28.0 V (24 Volt Systems) minus 3%. Additionally, in the case of filament light sources for which more than one test voltage is specified in Regulation No. 37 this deviation shall not be more than minus 3% from the lowest value of these test voltages that are being applied in the device.~~

~~However, if the electronic light source control gear is part of the device, the necessary measurements may be performed in addition to the procedures for the approval test. The manufacturer shall provide to the Technical Service the value of the vehicle voltage corresponding to the electrical system of the vehicle is in a constant voltage operating condition. The results shall be indicated in the communication document and test report "~~

II. Justification

1. Paragraph 5.9.2: GRE-68-04 limits the possibilities of changing the luminous intensity of the principal passing beam. That may be in contradiction to the different passing beam modes allowed by Regulation 123.
   Moreover, it would not allow the Tourist Mode, already largely available on the market.
2. Paragraph 5.27.4 proposes an answer to the concerns raised by IEC in document GRE-67-30, pages 6 and 7 (reproduced here below for reference purposes



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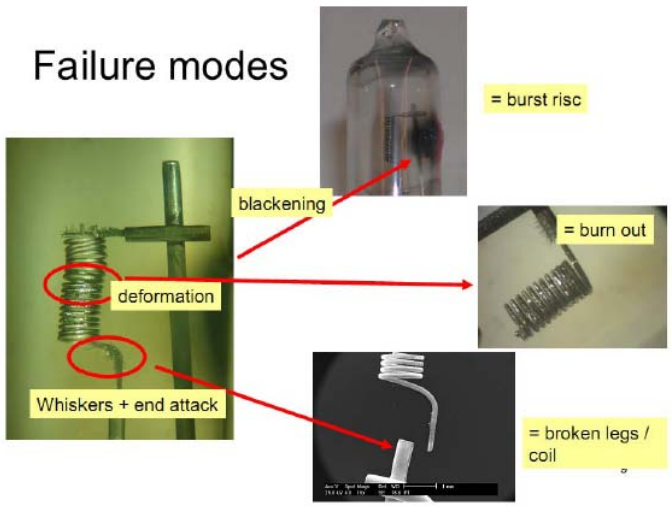

The theoretical behaviuor referred to in the above pictures does not justify the complex changes proposed in GRE-68-04. Before adopting the proposal , it would be important to get empirical data on such behaviour, in order to be able to correctly evaluate the probability of the above failure modes. OICA does not accept the proposed changes since such probability seems very low.