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

Proposal for Supplement 17 to Regulation No. 4 (Illumination of rear registration plates)

Submitted by the Working Party on Light and Light-signalling*

The text reproduced below was adopted by the Working Party on Light and Light-signalling (GRE) at its sixty-ninth session (ECE/TRANS/WP.29/GRE/69, paras. 19 and 20). It is based on ECE/TRANS/WP.29/GRE/2013/17 not amended and on ECE/TRANS/WP.29/GRE/2013/22 not amended. 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 and 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., amend to read:

- "2. ...
- (c) Two samples, equipped with the lamp or lamps recommended;
 - (d) In the case of a non-replaceable filament lamp(s) or light source module(s) equipped with non-replaceable filament lamp(s): the documents according to paragraph 5.7. of this Regulation."

Insert a new paragraph 5.7., to read:

- "5.7. In the case of non-replaceable filament lamp(s) or light source module(s) equipped with non-replaceable filament lamp(s), the applicant shall annex to the type approval documentation a report (by the light source manufacturer indicated in the type approval documentation), acceptable to the Authority responsible for type approval, that demonstrates compliance of these non-replaceable filament lamp(s) with the requirements as specified in paragraph 2.11. of IEC 60809, Edition 3."

Paragraph 10.1., amend to read:

- "10.1. Devices for the illumination of rear registration plates (henceforth called devices) shall be so manufactured as to conform to the type approved under this Regulation. If there is more than one device necessary for meeting the requirements of this Regulation, then in the following text a device means a set of devices.

The compliance with the requirements set forth in paragraphs 5., 6. and 9. above shall be verified as follows:"

Paragraph 10.2. (former), renumber as paragraph 10.1.1.

Paragraph 10.3. (former), renumber as paragraph 10.1.2.

Paragraph 10.4. (former), renumber as paragraph 10.2.

Insert a new paragraph 10.3., to read:

- "10.3. In the case of non-replaceable filament lamp(s) or light source module(s) equipped with non-replaceable filament lamps, a report (by the light source manufacturer indicated in the type approval documentation) shall demonstrate compliance of these non-replaceable filament lamp(s) with lifetime requirements and, in the case of colour coated filament lamps, also with colour endurance requirements, as specified in paragraph 2.11. of IEC 60809, Edition 3."

Annex 6, paragraph 1.2., amend to read:

- "1.2. With respect to photometric performances, the conformity of mass-produced devices shall not be contested if, when testing according to paragraph 8 of this regulation, the photometric performances as set forth in paragraph 9 of this Regulation of any device chosen at random and equipped with a standard light source, or when the devices are equipped with non-replaceable light sources (filament lamps or other), and when all measurements are made at 6.75 V, 13.5 V or 28.0 V respectively:"

Annex 6, insert a new paragraph 1.2.4., to read:

- "1.2.4. In the case of non-replaceable filament lamp(s) or light source module(s) equipped with non-replaceable filament lamps, at any conformity of production check:

- 1.2.4.1. The holder of the approval mark shall demonstrate the use in normal production and show the identification of the non-replaceable filament lamp(s) as indicated in the type approval documentation;
- 1.2.4.2. In the case where doubt exists in respect to compliance of the non-replaceable filament lamp(s) with lifetime requirements and/or, in the case of colour coated filament lamps, with colour endurance requirements, as specified in paragraph 2.11. of IEC 60809, Edition 3, conformity shall be checked (by the light source manufacturer indicated in the type approval documentation) as specified in paragraph 2.11. of IEC 60809, Edition 3."

Annex 7, paragraph 1.2. to 5., amend to read:

- "1.2. With respect to photometric performances, the conformity of mass-produced devices shall not be contested if, when testing according to paragraph 8. of this Regulation, the photometric performances as set forth in paragraph 9. to this Regulation of any device chosen at random and equipped with a standard light source, or when the devices are equipped with non-replaceable light sources (filament lamps or other), and when all measurements are made at 6.75 V, 13.5 V or 28.0 V respectively:
- 1.2.1. According to the requirements in paragraph 1.2.1. of Annex 6 to this Regulation are met.
- 1.2.2. In the case of a device equipped with a replaceable light source, if results of the test described above do not meet the requirements, tests on devices shall be repeated using another standard light source.
- 1.2.3. Devices with apparent defects are disregarded.
2. First sampling
- In the first sampling four devices are selected at random. The first sample of two is marked A, the second sample of two is marked B.
- 2.1. The conformity of mass-produced devices shall not be contested if the deviation of any specimen of samples A and B (all four devices) is not more than 20 per cent.
- In the case, that the deviation of both devices of sample A is not more than 0 per cent, the measurement can be closed.
- 2.2. The conformity of mass-produced devices shall be contested if the deviation of at least one specimen of sample A or B is more than 20 per cent.
- The manufacturer shall be requested to bring his production in line with the requirements (alignment) and a repeated sampling according to paragraph 3. below shall be carried out within two months' time after the notification. The samples A and B shall be retained by the Technical Service until the entire CoP process is finished.
3. First repeated sample
- A sample of four lamps is selected at random from stock manufactured after alignment–
- The first sample of two is marked C, the second sample of two is marked D.
- 3.1. The conformity of mass-produced devices shall not be contested if the deviation of any specimen of samples C and D (all four devices) is not more than 20 per cent.
- In the case, that the deviation of both devices of sample C is not more than 0 per cent, the measurement can be closed.

- 3.2. The conformity of mass-produced devices shall be contested if the deviation of at least
- 3.2.1. One specimen of sample C and D is more than 20 per cent but the deviation of all specimen of these samples is not more than 30 per cent.
- The manufacturer shall be requested again to bring his production in line with the requirements (alignment).
- A second repeated sampling according to paragraph 4. below shall be carried out within two months' time after the notification. The samples C and D shall be retained by the Technical Service until the entire CoP process is finished.
- 3.2.2. One specimen of sample C or D is more than 30 per cent.
- In this case the approval shall be withdrawn and paragraph 5. below shall be applied.
4. Second repeated sample
- A sample of four lamps is selected at random from stock manufactured after alignment.
- The first sample of two is marked E, the second sample of two is marked F.
- 4.1. The conformity of mass-produced devices shall not be contested if the deviation of any specimen of samples E and F (all four devices) is not more than 20 per cent.
- In the case, that the deviation of both devices of sample E is not more than 0 per cent, the measurement can be closed.
- 4.2. The conformity of mass-produced devices shall be contested if the deviation of at least one specimen of sample E or F is more than 20 per cent.
- In this case the approval shall be withdrawn and paragraph 5. below shall be applied.
5. Approval withdrawn
- Approval shall be withdrawn according to paragraph 11. of this Regulation."

Figure 1, shall be deleted.
