

Proposal for amendments to ECE/TRANS/WP.29/GRE/2013/19

I. Proposal

Paragraphs 2.4.4., amend to read:

"2.4.4. If the front fog lamp is fitted with LED module(s) ~~or a distributed lighting system~~, a brief technical specification shall be provided. This information shall include the part number assigned by the light source manufacturer, a drawing with dimensions and the basic electrical and photometric values, an indication whether the light source complies with the UV-radiation requirements of paragraph 4.6. of Annex 12 of this Regulation, an official test report related to paragraph 5.8. of this Regulation and the objective luminous flux."

Paragraph 5.7. to 5.13 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.~~

5.8. In the case of LED module ~~or light generator~~ it shall be checked, that:

5.8.1. The design of the LED module(s) ~~or light generator(s)~~ shall be such that they can be fitted in no position other than the correct one.

5.8.2. Non-identical light source modules, if any, shall be non-interchangeable within the same lamp housing.

5.8.3. The LED module(s) ~~or light generator(s)~~ shall be tamperproof.

5.9. In case of front fog lamps with light source(s) having a total objective luminous flux that exceeds 2,000 lumen, a reference shall be made in paragraph 10. of the communication form in Annex 1.

5.10. If the lens of the front fog lamp is made of plastic material tests shall be done according to the requirements in Annex 6.

5.10.1. The UV resistance of light transmitting components located inside the front fog lamp and made of plastic material shall be tested according to Annex 6, paragraph 2.7.

5.10.2. The test in paragraph 5.10.1. is not necessary if low-UV type light sources as specified in Regulation No. 99 or in Annex 12 of this Regulation are used, or if provisions are taken, to shield the relevant lamp components from UV radiation, e.g. by glass filters.

- 5.11. The front fog lamp and its ballast system or light source control gear shall not generate radiated or power line disturbances, which cause a malfunction of other electric/electronic systems of the vehicle¹.
- 5.12. Front fog lamps, designed to operate permanently with an additional system to control the intensity of the light emitted, or which are reciprocally incorporated with another function, using a common light source, and designed to operate permanently with an additional system to control the intensity of the light emitted, are permitted.
- 5.13. In the case of Class F3 the sharpness and linearity of the cut-off shall be tested according to the requirements of Annex 9."

Paragraph 6.4.1.5. amend to read:

- 6.4.1.5. Compliance with the requirement in paragraph 5.8.1. shall be verified at least with respect to the values in line 3 and 4 of table in paragraph 6.4.3.

Annex 1, Paragraph 10.8. (after renaming will become 10.7)amend to read:

- 10.8 Luminous flux of the light source (see paragraph 5.9 5-10.)
greater than 2,000 lumen: ... yes/no 2/

II. Justification

1. The proposal ECE/TRANS/WP.29/GRE/2013/19 was based on an outdated version of the regulation and didn't take into account the following amendment ECE/TRANS/505/Rev.1/Add.18/Rev.6/Amend.3

¹ Compliance with the requirements for electromagnetic compatibility is relevant to the vehicle type