



Economic and Social Council

Distr.: General
18 December 2020

Original: English

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

183rd session

Geneva, 9-11 March 2021

Item 4.9.18 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRE

Proposal for Supplement 3 to the original series of amendments to UN Regulation No. 148 (Light-Signalling Devices)

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 eighty-third session (ECE/TRANS/WP.29/GRE/83, para. 8). It is based on ECE/TRANS/WP.29/GRE/2020/9/Rev.1. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their March 2021 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in proposed programme budget for 2020 (A/74/6 (part V sect. 20) para 20.37), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

** This document was scheduled for publication after the standard publication date owing to circumstances beyond the submitter's control.



Paragraph 4.6.1., amend to read:

- "4.6.1. Failure of a single lamp containing more than one light source
- 4.6.1.1. In a single lamp containing more than one light source, a group of light sources, wired so that the failure of any one of them causes all of them to stop emitting light, shall be considered to be one light source.
- 4.6.1.2. In case of failure of any one light source in a single lamp containing more than one light source, at least one of the following provisions shall apply:
- (a) The light intensity complies with the minimum intensity required in the pertinent table of standard light distribution in space as shown in Annex 3 and when all light sources are illuminated the maximum intensities shall not be exceeded; or
 - (b) A signal for activation of a tell-tale indicating failure, as indicated in paragraphs 6.4.8., 6.7.8., 6.9.8, 6.10.8., 6.11.8., 6.12.8., 6.13.8. and 6.18.8. of UN Regulation No. 48, is produced, provided that the luminous intensity in the axis of reference is at least 50 per cent of the minimum intensity required. In this case a note in the communication form states that the lamp is only for use on a vehicle fitted with a tell-tale indicating failure.
- 4.6.1.3. The requirements of paragraph 4.6.1.2. do not apply to daytime running lamps that shall comply with the requirements of paragraph 5.4.4.
However, the requirements of paragraph 4.6.1.1. are still applicable.
- 4.6.1.4. The requirements of paragraph 4.6.1.2. do not apply to direction indicator lamps. Direction indicator lamps of category 1, 1a, 1b, 2a and 2b shall comply with the requirements of paragraph 5.6.3.
However, the requirements of paragraph 4.6.1.1. are still applicable.
- 4.6.1.5. The requirements of paragraph 4.6.1.2. do not apply to registration plate lamps.
However, the requirements of paragraph 4.6.1.1. are still applicable.
- 4.6.1.6. The requirements of paragraph 4.6.1.2. (b) do not apply to stop- and position lamps for vehicles of category L.
However, the requirements of paragraph 4.6.1.1. and paragraph 4.6.1.2. (a) are still applicable."

Annex 3

Paragraph 1.2., amend to read:

- "1.2. Within the field of light distribution schematically shown as a grid, the light pattern should be substantially uniform, i.e. the light intensity in each direction of a part of the field formed by the grid lines shall meet at least the lowest minimum value being shown on the grid lines surrounding the questioned direction as a percentage.
- However, in the case of reversing lamps, if visual examination of a lamp appears to reveal substantial local variations of intensity, a check shall be made to ensure that no intensity measured between two of the directions of measurement referred to above is below 50 per cent of the lower minimum intensity of the two prescribed for these directions of measurement."
-