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Item 4.6.3 of the provisional agenda

1958 Agreement:

consideration of draft amendments to existing

UN Regulations submitted by GRE

Proposal for Supplement 1 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 eightieth session (ECE/TRANS/WP.29/GRE/80, paras. 11, 12, 20 and 28). It is based on ECE/TRANS/WP.29/GRE/2018/33, ECE/TRANS/WP.29/GRE/2018/36, ECE/TRANS/WP.29/GRE/2018/42 as amended by Annex III to the report, and ECE/TRANS/WP.29/GRE/2018/50. 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 November 2019 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, cluster 3.1), 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

Supplement 1 to UN Regulation No. [148] (Light-Signalling Devices)

Paragraph 2.1., amend to read:

"2.1. All the definitions given in the latest series of amendments to UN Regulation No. 48 in force at the time of application for type approval shall apply, unless otherwise specified in this Regulation or in the pertinent installation UN Regulations Nos. 53, 74 and 86."

Paragraph 2.2., amend to read:

"2.2. *"Lamps of different types"* means

....

A change of the colour of the light source or the colour of any filter does not constitute a change of type.

The use of LED substitute light source(s) does not constitute a change of type. However, paragraph 4.7.7. applies."

Paragraph 3.1.2.2., amend to read:

"3.1.2.2. A brief technical description stating in particular, with the exception of lamps with non-replaceable light sources:

- (a) The category or categories of filament light source(s) prescribed; this filament light source category shall be one of those contained in Regulation No. 37;
- (b) The category or categories of LED light source(s) prescribed; this LED light source category shall be one of those contained in Regulation No. 128;
- (c) The light source module specific identification code;
- (d) In the case where, at the discretion of the applicant, the lamp also has to be approved with the LED substitute light source(s) according to Regulation No. 128, this shall be specified in the description;
- (e) In the case of a category S3 or S4 stop lamp, which is intended to be mounted inside the vehicle, the technical description shall contain the specification of the optical properties (transmission, colour, inclination, etc.) of the rear window(s)."

Paragraph 3.3.4.1.1., amend to read:

"3.3.4.1.1. In any case the approval marking or the Unique Identifier as well as the category or categories of LED substitute light source(s) prescribed, if any, shall be visible when the lamp is fitted on the vehicle or when a movable part such as the hood or boot lid or a door is opened."

Paragraph 3.3.4.3., amend to read:

"3.3.4.3. With the exception of lamps with non-replaceable light sources, bear a clearly legible and indelible marking indicating:

- (a) The category or categories of light source(s) prescribed; in the case where the lamp has been approved for LED substitute light source(s), also the category or categories of the LED substitute light source(s); and/or
- (b) The light source module specific identification code."

Insert a new paragraph 3.5.1.1.1., to read:

"3.5.1.1.1 In the case of daytime running lamp whose maximum luminous intensity does not exceed 700 cd as identified in Annex 1, 700 cd shall be applied as

maximum luminous intensity for conformity of production procedures set forth in Annex 4. "

Insert a new paragraph 3.5.4., to read:

"3.5.4. Testing with LED substitute light sources is exempted from conformity of production control."

Paragraph 4.3.1.4., amend to read:

"4.3.1.4. The light source(s) holder shall conform to the characteristics given in IEC Publication 60061. The holder data sheet relevant to the category of light source(s) prescribed applies.

Alternatively, where a category of LED substitute light source(s) is also prescribed, the holder data sheet relevant to the category of LED substitute light source(s) applies."

Insert a new paragraph 4.7.7., to read:

"4.7.7. In the case where the lamp, at the discretion of the applicant, also has to be approved with LED substitute light source(s), all measurements, photometric and colorimetric, shall be repeated using the LED substitute light source(s) prescribed."

Annex 1,

Insert a new item 9.1.5 to read:

"9.1.5. A daytime running lamp
Maximum luminous intensity does not exceed 700 cd: yes/no"

Annex 1, item 9.2., amend to read:

"9.2. By light signalling function and category:
For mounting either outside or inside or both²
Colour of light emitted: red/white/amber/colourless²
Number, category and kind of light source(s):
Lamp approved for LED substitute light source(s): yes/no
If yes, category of LED substitute light source(s)
Voltage and wattage:
...."

Annex 2,

Table A2-1, line "Rear position pair (MR)", amend to read:

"

<i>Lamp</i>	<i>Minimum horizontal angles (inboard / outboard)</i>	<i>Minimum vertical angles (above / below)</i>	<i>Additional information</i>
...			
Rear position pair (MR)	20° / 80°	15° / 15° 15° / 5° ²	-
...			

"