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### Economic Commission for Europe

#### Inland Transport Committee

#### World Forum for Harmonization of Vehicle Regulations

#### Working Party on Lighting and Light-Signalling

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Item 5(c) of the provisional agenda

**Collective amendments - UN Regulations Nos. 19, 98, 112, 113 and 123**

### **Proposal for Collective amendments to Regulations Nos. 19, 98, 112, 113 and 123**

#### **Submitted by the expert from the Working Party "Brussels 1952"\***

The text reproduced below was prepared by the expert from the Working Party "Brussels 1952" (GTB) to update the definition of "type". The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106, 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.

## I. Proposal

### Proposal for Supplement 4 to the 04 series of Regulation 19

Paragraph 1.4., amend to read:

- "1.4. "Front fog lamps of different types" are front fog lamps that differ in such essential respects as:
- 1.4.1. the trade name or mark;
  - 1.4.2. different "Classes" (B or F3) identified by particular photometric provisions;
  - 1.4.3. the characteristics of the optical system; (basic optical design, type / category of light source, LED module, DLS etc.);
  - 1.4.4. the inclusion of components capable of altering the optical effects by reflection, refraction, absorption and/ or deformation during operation and the variable intensity control, if any;
  - 1.4.5. the category of filament lamp(s) used, as listed in Regulation No. 37 , Regulation No. 99 and/ or the LED module or light generator specific identification code (s) (if applicable);
  - ~~1.4.6. the materials constituting the lenses and coating, if any.~~
  - 1.4.6. However, a device intended for the installation on the left side of the vehicle and the corresponding device intended for the installation of the right side of the vehicle shall be considered to be of the same type."

### Proposal for Supplement 4 to the 01 series of Regulation 98

Paragraph 1.5., amend to read:

- "1.5. Headlamps of different "types" are headlamps which differ in such essential respects as:
- 1.5.1. the trade name or mark;
  - 1.5.2. the characteristics of the optical system;
  - 1.5.3. the inclusion or elimination of components capable of altering the optical effects by reflection, refraction, absorption and/or deformation during operation
  - 1.5.4. suitability for right-hand or left-hand or for both traffic systems;
  - 1.5.5. the kind of beam produced (passing beam or driving beam or both);
  - ~~1.5.6. the materials constituting the lenses and coating, if any;~~
  - 1.5.6. However, a device intended for the installation on the left side of the vehicle and the corresponding device intended for the installation on the right side of the vehicle shall be considered to be of the same type."

### Proposal for Supplement 4 to the 01 series of Regulation 112

Paragraph 1.3., amend to read:

- "1.3. "Headlamps of different types" mean headlamps which differ in such essential respects as:
- 1.3.1. the trade name or mark;
  - 1.3.2. the characteristics of the optical system;
  - 1.3.3. the inclusion or elimination of components capable of altering the optical effects by reflection, refraction, absorption and/ or deformation during operation;
  - 1.3.4. suitability for right-hand or left-hand traffic or for both traffic systems;
  - 1.3.5. the kind of beam produced (passing beam, driving beam or both);
  - ~~1.3.6. the materials constituting the lenses and coating, if any;~~
  - 1.3.6. the category of filament lamp used and/ or the LED module specific identification code( s);
  - 1.3.7. However, a device intended for the installation on the left side of the vehicle and the corresponding device intended for the installation on the right side of the vehicle shall be considered to be of the same type. "

### Proposal for Supplement 2 to the 01 series of Regulation 113

Paragraph 1.3., amend to read:

- "1.3. "Headlamps of different types" mean headlamps which differ in such essential respects as:
- 1.3.1. the trade name or mark;
  - 1.3.2. the characteristics of the optical system;
  - 1.3.3. the inclusion or elimination of components capable of altering the optical effects by reflection, refraction, absorption and/ or deformation during operation;
  - 1.3.4. the kind of beam produced (passing beam, driving beam or both);
  - ~~1.3.5. the materials constituting the lenses and coating, if any;~~
  - 1.3.5.** the category of filament lamp( s), the gas-discharge light source or the light source module specific identification code( s);"

### Proposal for Supplement 4 to the 01 series of Regulation 123

Paragraph 1.16., amend to read:

- "1.16. "Systems of different types" means systems which differ in such essential respects as:
- 1.16.1. the trade name or mark( s);

- 1.16.2. the inclusion or elimination of components capable of altering optical characteristics/ photometric properties of the system;
- 1.16.3. suitability for right-hand or left-hand traffic or for both traffic systems;
- 1.16.4. the front-lighting function( s), mode( s) and classes produced;
- ~~1.16.5. the materials constituting the lenses and coatings, if any;~~
- 1.16.5. the characteristic( s) of the signal( s), specified for the system;"

## **II. Justification**

1. These proposed amendments to the forward lighting devices remove the materials for the lenses and coatings from the definition of type. This allows a number of materials to be covered by one approval. However, while this approach has been used in the past it was not accepted by some type approvals authorities and it is necessary to clarify the requirement in the Regulations.
  2. There is no adverse safety implication in the case of a change of material because the test provisions in the Regulation shall be satisfied.
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