



Economic and Social Council

Distr.: General
22 July 2011

Original: English
English and French only

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Sixty-sixth session

Geneva, 4–6 October 2011

Item 9 of the provisional agenda

Regulation No. 65 (Special warning lamps)

Proposal for Supplement 8 to Regulation No. 65 (Special warning lamps)

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 clarify the requirements on partial systems. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* 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

Insert a new paragraph 1.1.4., to read:

"1.1.4. **"Half bar"** means a special warning lamp with one or more optical systems emitting light intermittently from 135° left to 135° right relative to its horizontal reference axis, which is intended to be mounted on the vehicle either to the front or to the rear of the vehicle (Category HT)."

Paragraph 1.8., amend to read:

"1.8. Reference axis of the special warning lamp means:

For a rotating or stationary flashing lamp (Category T), a vertical axis passing through the reference centre of the lamp;

For a directional flashing lamp (Category X) **or a half bar (Category HT)**, a horizontal axis parallel to the median longitudinal plane of the vehicle.

The manufacturer of the special warning lamp shall indicate the position of the special warning lamp in relation to the reference axis."

Paragraph 4.4.1.3., amend to read:

"4.4.1.3. "T", **"HT"** or "X" according to the category of the unit, followed by "A" or "B" or "R" according to the colour of the unit (see paragraph 2.1. above)."

Paragraph 5.7., amend to read:

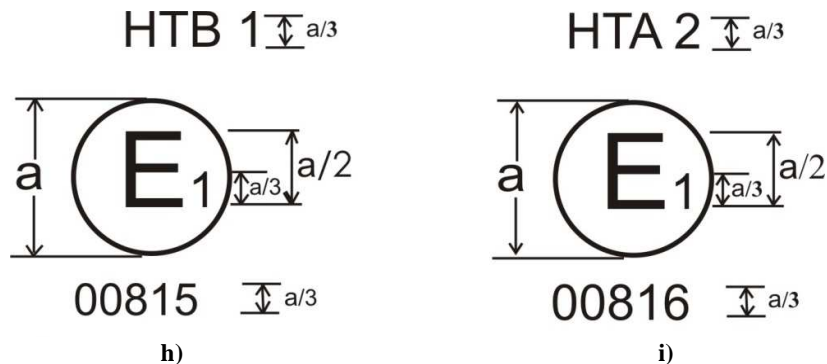
"5.7. A rotating or flashing special warning lamp device of Category T **or of Category HT** may consist of more than one optical system. In this case the requirements of Annex 5, paragraph 8. must be met. The lamp manufacturer must supply mounting information to ensure that the various units are correctly mounted on a vehicle."

Annex 2, insert new examples of approval marks, to read:

"Annex 2

Examples of approval marks

...



- h) A half bar of a special warning lamp indicates that it has been approved in Germany (E1) under approval number 00815. The approval number shows that the approval was granted in accordance with the requirements of the Regulation in its original form and that it is a blue rotating or stationary flashing special warning lamp of class 1 (HTB 1).
- i) A half bar of a special warning lamp indicates that it has been approved in Germany (E1) under approval number 00816. The approval number shows that the approval was granted in accordance with the requirements of the Regulation in its original form and that it is a amber rotating or stationary flashing special warning lamp of class 2 (HTA 2)."

Annex 5, paragraph 7.2. (including the table), amend to read:

"Annex 5

Photometric specifications

...

- 7.2. The effective luminous intensities (J_e) within the relevant vertical angles for a special warning lamp (Category T) **or (Category HT)** shall be as specified in the table below:

| Category T or Category HT | | | | |
|---|-------------------------|----------|--------|-------|
| | | | Colour | |
| | | | Blue | Amber |
| Minimum value of the effective luminous intensity J_e , within the specified vertical angles and: (a) In the case of Category T, a horizontal angle of 360° around the reference axis (b) In the case of Category HT a horizontal angle of minimum ± 135° relative to its horizontal reference axis | 0° | by day | 120 | 230 |
| | | by night | 50 | 100 |
| | ± 4° | by day | 60 | --- |
| | | by night | 25 | --- |
| | ± 8° | by day | --- | 170 |
| | | by night | --- | 70 |
| Maximum value of the effective luminous intensity J_e | Inside ± 2° | by day | 1700 | |
| | | by night | 700 | |
| | Inside ± 8° | by day | 1500 | |
| | | by night | 600 | |
| | Outside the above areas | by day | 1000 | |
| | | by night | 300 | |

"

II. Justification

1. There is an increasing market demand for partial system kits of special warning lamps approved according Regulation No. 65 as category T. These partial system kits consist in one or several separate units, but the total kit does not cover the 360°H required for category T. For example, a group of 3 special warning lamps covering max 270°H marked as category T (360°H) can be found on the market. This can happen because approval authorities interpret the current text differently, implying that the current text is ambiguous. Additionally, the marking is also in contradiction with the requirements.
 2. Manufacturers of ambulances, fire fighting vehicles, police cars, etc. are interested in the availability of partial system kits, only covering the 270°H, to be installed on the front part of the vehicle and/or on the rear part of the vehicle. In this context, the GTB Photometry Working Group has found a solution avoiding false competition between companies, authorities and difficulties for the laboratories.
 3. To solve these problems a new category of special warning lamp (category HT) is proposed with new markings to clearly identify it as a unit of partial performance.
-