Transmitted by the expert from GTB

Informal Document No. **GRE-66-15**
(66th GRE, 4–6 October 2011)
agenda item 9

Proposal for Supplement 8 to the 00 series of amendments to Regulation No.65

Note: This informal proposal is submitted as a replacement for GRE/2011/50 in order to correctly align the text to the provisions of Regulation No. 65 up to and including Supplement 7. The original proposal in GRE/2011/50 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.

I. Proposal

Paragraph 1.1.1., amend to read:

"1.1.1. "Rotating or stationary flashing lamp means" a special warning lamp emitting light intermittently all around its vertical axis (Category T **or HT**)."

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.**"

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."

Annex1, item 1, amend to read:

"1. Special warning lamp/rotating/stationary flashing lamp/directional flashing lamp/ complete bar/ **half bar /**blue/amber/red 2/"

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

"Annex 2

EXAMPLES OF APPROVAL MARKS

…

f) Light source modules

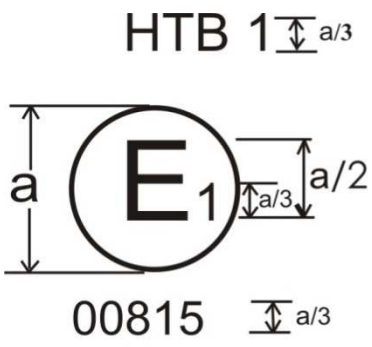
MD E3 17325

The light source module bearing the identification code shown above has been approved together with a lamp approved in Italy (E3) under approval number 17325.

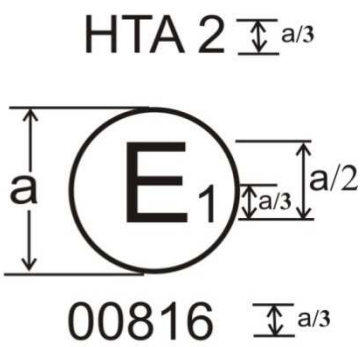
g) Example for the specification of individual separate units comprising a special warning lamp of (Category T) "Rotating or stationary flashing lamp".

("identification mark" / n)

in a case of four units e.g.: (1/4) or (front left/4)



h)



i)

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	red
Minimum value of the effective luminous intensity J_e, within the specified vertical angles and a horizontal angle of 360° around the reference axis **(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	120
		by night	50	100	50
	± 4°	by day	60	-	60
		by night	25	-	25
	± 8°	by day	-	170	-
		by night	-	70	-
Maximum value of the effective luminous intensity J_e	Inside ± 2°	by day	1 700		
		by night	700		
	Inside ± 8°	by day	1 500		
		by night	600		
	Outside the above areas	by day	1 000		
		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 360ºH required for category T. For example, a group of 3 special warning lamps covering max 270ºH marked as category T (360ºH) 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 270ºH, 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.