

Consolidated proposal of amendments to ECE/TRANS/WP.29/GRE/2009/56

(Proposals to amend Regulation No. 123)

(Encompassing informal documents GRE-62-05 (Japan) / GRE62-14 (UK) / GRE-62-19 (GTB))

GTB appreciates the helpful proposals for amendments submitted by the GRE experts and, in an attempt to simplify the discussion during the 62nd GRE session, has prepared this consolidation that provides a single document for review. The modifications to the text of ECE/TRANS.WP.29/GRE/2009/56 are marked in bold or strikethrough characters.

A. PROPOSAL

Paragraph 1.9., amend to read:

"1.9. "Neutral state" means.... or of the main beam, **if any**, in the maximum position of activation, ~~if any~~, is produced, and no AFS control signal applies;"

Paragraph 5.7.2., amend to read:

"5.7.2 **except in the case of the gradual adaptation of the main-beam** either the passing beam ... according to paragraph 5.7.3. below;"

Paragraph 6.3.6., amend to read:

"6.3.6. In the case of a gradual adaptation of the main-beam function the system shall meet the requirements of the above paragraphs only when this main- beam function is in the maximum position of activation.

Under the conditions of gradual adaptation, the main-beam function shall meet the requirements **for all the cases of Right-Hand and Left-Hand traffic specified in Part A of Table 7 in Annex 3 to this Regulation**. These requirements shall be verified during the type approval testing in conjunction with a signal generator to be provided by the applicant. This signal generator shall reproduce the signals provided by the vehicle and cause the gradual adaptation of the main-beam and in particular shall represent the settings so that the photometric compliance can be verified."

Annex 1, paragraph 18.5., amend to read:

"18.5. The system is designed to provide ~~an adaptive~~ **a gradual adaptation of the main-beam**: yes no "

Annex 3, insert a new table 7, as follows:

"

Part A	Test Point	Position / deg.		Max. Intensity **/	
		Horizontal	Vertical	(cd)	(lx)
	Line 1 Left Oncoming vehicle at 50 m in the case of Right-Hand Traffic	4.8°L to 2°L	0.57°Up	440	0.7
	Line 1 Right Oncoming vehicle at 50 m in the case of Left- Hand Traffic	2°R to 4.8°R	0.57°Up	440	0.7
	Line 2 Left Oncoming vehicle at 100 m in the case of Right-Hand Traffic	2.4°L to 1°L	0,3°Up	1300	2.0
	Line 2 Right Oncoming vehicle at 100 m in the case of Left-Hand Traffic	1°R to 2.4°R	0,3°Up	1300	2.0
	Line 3 Left Oncoming vehicle at 200 m in the case of Right-Hand Traffic	1.2°L to 0.5°L	0,15°Up	3800	6.0
	Line 3 Right Oncoming vehicle at 200 m in the case of Left-Hand Traffic	0.5°R to 1.2°R	0,15°Up	3800	6.0
	Line 4 Preceding vehicle at 50 m in the case of Left-Hand Traffic and Right-Hand Traffic	1.7°L to 1.7°R	0,3°Up	1320	2.1

Line 5 Preceding vehicle at 100 m in the case of Left-Hand Traffic and Right-Hand Traffic	0.9°L to 0.9°R	0,14°Up	3900	6.2
Line 6 Preceding vehicle at 200 m in the case of Left-Hand Traffic and Right-Hand Traffic	0.45°L to 0.45°R	0.1°Up	11400	18

Part B	Test Point	Position /degrees */		Min. Intensity **/	
		Horizontal	Vertical	(cd)	(lx)
	50R	1.72 R	D 0.86	3750	6
	50V	V	D 0.86	3750	6
	50L	3.43 L	D 0.86	2625	4.2
	25LL	16 L	D 1.72	875	1.4
	25RR	11 R	D 1.72	875	1.4

~~*/~~ Angular positions for the passing beam photometric requirements (indicated for right hand traffic)

***/** Angular positions indicated for right-hand traffic.

~~**/~~ [To be defined].

Table 7: Requirements concerning the gradual adaptation of the main-beam according to paragraph 6.3.6. of this Regulation.

Each of the lines defined in part A of table 7, in conjunction with the test points as prescribed in part B of table 7 shall be measured individually corresponding to the signal provided by the signal generator.

~~In the case where the gradual adaptation will be activated partially, depending upon the settings represented by the signal generator corresponding to the presence of oncoming and preceding vehicles, the measurements for part A of table 7 shall be determined in each of the horizontal sections where the partially gradual adaptation is activated.~~

In the case that the passing beam, which meets the requirements of paragraph 6.2., is continuously operated in conjunction with the adaptive driving beam, the photometric requirements in Part B of the table below do not apply.
