

8 December 2021

Agreement

Concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations*

(Revision 3, including the amendments which entered into force on 14 September 2017)

Addendum 97 – UN Regulation No. 98

Revision 3 - Amendment 12

Supplement 2 to the 02 series of amendments – Date of entry into force: 30 September 2021

Uniform provisions concerning the approval of motor vehicle headlamps equipped with gas-discharge light sources

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2021/39



UNITED NATIONS

* Former titles of the Agreement:

Agreement concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958 (original version); Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, done at Geneva on 5 October 1995 (Revision 2).

Paragraph 6.2.5., amend to read:

"6.2.5. After more than 10 minutes after ignition the luminous intensities at the test points referred to in the table below and in Annex 3, Figure B (or mirrored about the VV line for left-hand traffic) shall meet the following requirements:

Points or segments		Designation**						Luminous intensity (cd)		Horizontal angle (degrees)	Vertical angle (degrees)
								Max	Min		
Any point in zone A (bounded by the following coordinates in degrees)											
8L	8L	8R	8R	6R	1,5R	V-V	4L				
1U	4U	4U	2U	1,5U	1,5U	H-H	H-H	625			
1	HV						625		0	0	
2	B 50 L						350		3.43 L	0.57 U	
3	75 R							12,500	1.15 R	0.57 D	
4	50 L						18,480		3.43 L	0.86 D	
5	25 L1						18,800		3.43 L	1.72 D	
6	50 V							7,500	0	0.86 D	
7	50 R							12,500	1.72 R	0.86 D	
8	25 L2							2,500	9 L	1.72 D	
9	25 R1							2,500	9 R	1.72 D	
10	25 L3							1,250	15 L	1.72 D	
11	25 R2							1,250	15 R	1.72 D	
12	15 L							625	20 L	2.86 D	
13	15 R							625	20 R	2.86 D	
14								*	8 L	4 U	
15								*	0	4 U	
16								*	8 R	4 U	
17								*	4 L	2 U	
18								*	0	2 U	
19								*	4 R	2 U	
20								65	8 R	0	
21								125	4 L	0	
A to B	Segment I							3,750	5.15 L to 5.15 R	0.86 D	
C – D							1,750		2.5 R	1 U	
E to F	Segment III and under						12,500		9.37 L to 8.53 R	4.29 D	
	I max R						43,800		Right of VV line	Above 1.72 D	
	I max L						31,300		Left of VV line		

Note: In the table:

Letter L means that the point or segment is located on the left of VV line.

Letter R means that the point or segment is located on the right of VV line.

Letter U means the point or segment is located above HH line.

Letter D means the point or segment is located below HH line

* The luminous intensities at points 14 through 19 shall be such that:

$$14 + 15 + 16 \geq 190 \text{ cd and}$$

$$17 + 18 + 19 \geq 375 \text{ cd.}$$

** For left-hand traffic, the letter R shall be replaced by letter L and vice versa.

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