

3 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 64 – UN Regulation No. 65

Revision 2 - Amendment 4

Supplement 11 to the original version of the Regulation – Date of entry into force:
30 September 2021

Uniform provisions concerning the approval of special warning lamps for power-driven vehicles and their trailers

This document is meant purely as documentation tool. The authentic and legal binding texts is:
ECE/TRANS/WP.29/2021/34.



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 1.3., amend to read:

"1.3. The frequency f is the number of flashes or groups of flashes (see Annex 5, para. 6) within one second,"

Paragraph 1.4., amend to read:

"1.4. The "on" time t_H means the period of time within which the luminous intensity of the flashing light is superior to 1/10 of the maximum value (peak value) J_m . In case of groups of several flashes the "on" time shall be measured from the beginning of the first flash of the group to the end of the last flash of the same group."

Paragraph 1.5., amend to read:

"1.5. The "off" time t_D means the period of time within which the luminous intensity of the flashing light is less than 1/100 of the maximum value (peak value) J_m , but not more than 10 cd. In the case of groups of several flashes the "off" time shall be measured from the end of the last flash of the group to the beginning of the first flash of the next group."

Paragraph 2.2.5., amend to read:

"2.2.5. Two samples, in principle for a rated voltage of 12 volts and for only one colour, and eventually two other samples for any other rated voltage in the case where an application is submitted simultaneously or subsequently for approval of special warning lamps of other rated voltages. In this case, it is sufficient to carry out tests according to paragraph 5.6. below"

Annex 5, paragraph 7.1., amend to read:

"7.1. The frequency, the "ON" time and the "OFF" time shall be as specified in the table below

		Colour blue, amber or red
		Rotating system or flashing light sources (Categories T and X)
Frequency f (Hz)	max.	4.0
	min.	2.0
"ON" time t_H (s)	max.	0.4/ f
"OFF" time t_D (s)	min.	0.1

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