

22 November 2023

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 47 – UN Regulation No. 48

Revision 12 - Amendment 15

Supplement 18 to the 06 series of amendments – Date of entry into force: 24 September 2023

Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2023/28.



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 5.5.3., amend to read:

"5.5.3. Satisfy the same colorimetric requirements."

Paragraph 5.5.4., amend to read:

"5.5.4. Have substantially identical photometric characteristics. This shall not apply to a matched pair of a function and/or an AFS."

Paragraph 6.1.8., for "Circuit-closed" read "Closed-circuit".

Paragraph 6.1.8.1., for 6.1.7.1. read 6.1.7.2.

Paragraphs 6.1.9.3.1. and 6.1.9.3.1.1., for 6.1.7.1. read 6.1.7.2.

Paragraph 6.1.9.3.2., for 6.1.7.1. read 6.1.7.2.

Paragraph 6.1.9.3.4.(a), for 6.1.7.1. read 6.1.7.2.

Paragraph 6.1.9.3.5., for 6.1.7.1. read 6.1.7.2.

Paragraph 6.2.8.2., amend to read:

"6.2.8.2. A visual failure tell-tale whether flashing or not is mandatory:

- (a) In the case where the whole beam or the kink of the elbow of the cut-off is moved to produce bend lighting; or
- (b) If one or more LED modules are used to produce the principal dipped-beam, except when they are wired so that the failure of any one LED module causes all of them to stop emitting light.

It shall be activated:

- (a) In the event of a malfunction of the displacement of the kink of the elbow of the cut-off; or
- (b) In case of a failure of any one of the LED module(s) producing the principal dipped-beam, except when they are wired so that the failure of any one LED module causes all of them to stop emitting light.

It shall remain activated while the failure is present. It may be cancelled temporarily, but shall be repeated whenever the device, which starts and stops the propulsion system, is switched ON and OFF."

Paragraph 6.3.5., footnote 13, delete.

Paragraph 6.3.6.1.1., reference to footnote 13, delete.

Paragraph 6.3.8., amend to read:

"6.3.8. Tell-tale
Closed-circuit tell-tale mandatory."

Paragraph 6.4.8., amend to read:

"6.4.8. Tell-tale
Tell-tale optional, however a tell-tale indicating failure is mandatory if required by the component regulation."

Paragraph 6.5.8., reference to footnote 13, delete.

Paragraph 6.6.8., for "circuit-closed" read "closed-circuit".

Paragraph 6.7.8., amend to read:

"6.7.8. Tell-tale
Tell-tale optional, however a tell-tale indicating failure is mandatory if required by the component regulation."

Paragraph 6.9.8., for "Circuit-closed" read "Closed-circuit".

Paragraph 6.10.8., for "Circuit-closed" read "Closed-circuit".

Paragraph 6.11.8., amend to read:

"6.11.8. Tell-tale

Closed-circuit tell-tale mandatory.

A tell-tale indicating failure is mandatory if required by the component regulation."

Paragraph 6.12.8., amend to read:

"6.12.8. Tell-tale

Closed-circuit tell-tale optional. If there is one, it shall not be possible to confuse it with the tell-tale for the front and rear position lamps.

However, a tell-tale indicating failure is mandatory if required by the component regulation."

Paragraph 6.18.8., amend to read:

"6.18.8. Tell-tale

Tell-tale optional. If it exists its function shall be carried out by the tell-tale required for the front and rear position lamps.

However, a tell-tale indicating failure is mandatory if required by the component regulation."

Paragraph 6.19., *headline*, for "Day-time" read "Daytime".

Paragraph 6.19.7.3, *footnote 14*, delete.

Paragraph 6.20. amend to read:

"6.20. Cornering lamp (UN Regulation No. 119 or 149)"

Paragraph 6.20.8., amend to read:

"6.20.8. Tell-tale

None. However, a tell-tale indicating failure is mandatory if required by the component regulation."

Paragraph 6.22.4.1.2., *footnote 15*, renumber to 13.

Paragraph 6.22.7.4.3., amend to read:

"6.22.7.4.3. The class E mode(s) of the passing-beam shall not operate unless the vehicle's speed exceeds 60 km/h and one or more of the following conditions is/are automatically detected:

(a) The road characteristics correspond to motorway conditions¹⁴ or the vehicle's speed exceeds 110 km/h (E-signal applies);

(b) In case of a class E mode of the passing-beam which, according to the system's approval documents /communication sheet, complies with a "data set" of UN Regulation No. 123, Annex 3, Table 6, or of UN Regulation No. 149, Table 14 only.

Data set E1: the vehicle's speed exceeds 100 km/h (E1-signal applies);

Data set E2: the vehicle's speed exceeds 90 km/h (E2-signal applies);

Data set E3: the vehicle's speed exceeds 80 km/h (E3-signal applies)."

Paragraph 6.22.7.4.5., *footnote 17*, renumber to 15.

Paragraph 6.22.9.1., amend to read:

- "6.22.9.1. An AFS shall be permitted only in conjunction with the installation of headlamp cleaning device(s) according to UN Regulation No. 45¹⁶ for at least those lighting units, which are indicated under item 9.2.3. of the communication form conforming to the model in Annex 1 to UN Regulation No. 123 or under item 9.3.2.3. of the communication form conforming to the model in Annex 1 to the 00 series of amendments to UN Regulation No. 149, or under item 9.2.2.3. of the communication form conforming to the model in Annex 1 to the 01 series of amendments to UN Regulation No. 149, if the total objective luminous flux of the light sources of these units exceeds 2,000 lm per side, and which contribute to the class C (basic) passing-beam."

Paragraph 6.24.9.2., for "day-time" read "daytime".

Paragraph 12.2., *footnote 19*, renumber to 17.

Annex 1,

Item 9.2., amend to read:

- "9.2. Dipped-beam headlamps: yes/no²
- 9.2.1. Tell-tale indicating failure, as required by component regulation and/or indicating failure of bend lighting function as required in paragraph 6.2.8.1., fitted: yes/no²

Item 9.4., amend to read:

- "9.4. Reversing lamps: yes/no²
- 9.4.1. Tell-tale indicating failure, as required by component regulation, fitted: yes/no²

Item 9.13., amend to read:

- "9.13. Rear fog-lamps: yes/no²
- 9.13.1. Tell-tale indicating failure, as required by component regulation, fitted: yes/no²

Item 9.14., amend to read:

- "9.14. Parking lamps: yes/no²
- 9.14.1. Tell-tale indicating failure, as required by component regulation, fitted: yes/no²

Item 9.20., amend to read:

- "9.20. Side marker lamps: yes/no²
- 9.20.1. Tell-tale indicating failure, as required by component regulation, fitted: yes/no²

Item 9.23., amend to read:

- "9.23. Cornering lamps: yes/no²
- 9.23.1. Tell-tale indicating failure, as required by component regulation, fitted: yes/no²
