

18 November 2019

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 85 – UN Regulation No. 86

Revision 2 - Amendment 2

Supplement 7 to 00 series of amendments – Date of entry into force: 15 October 2019

Installation of lighting and light-signalling devices for agricultural vehicles

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2018/111.



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).

Supplement 7 to the original series of amendments to UN Regulation No. 86 (Installation of lighting and light-signalling devices for agricultural vehicles)

Paragraph 2.20.1., amend to read:

"2.20.1. "Slow-Moving Vehicles (SMV) rear marking plate", a triangular plate with truncated corners with a characteristic pattern faced with retro-reflective and fluorescent material or devices (class 1); or with retro-reflective materials or devices only (class 2) (see UN Regulation No. 69 or [RRD])."

Paragraph 6.1., amend to read:

"6.1. Main-beam headlamps (UN Regulations Nos. 98, 112 and 113 or [RID])"

Paragraph 6.2., amend to read:

"6.2. Dipped-beam headlamps (UN Regulations Nos. 98, 112 and 113 or [RID])"

Paragraph 6.3., amend to read:

"6.3. Front fog lamps (UN Regulation No. 19 or [RID])"

Paragraph 6.4., amend to read:

"6.4. Reversing lamp(s) (UN Regulation No. 23 or [LSD])"

Paragraph 6.5., amend to read:

"6.5. Direction-indicator lamps (UN Regulation No. 6 or [LSD])"

Paragraph 6.7. and 6.7.1., amend to read:

"6.7. Stop lamps (UN Regulation No. 7 or [LSD])"

6.7.1. Presence: S1 or S2 of devices as described in UN Regulation No. 7 or [LSD]:
Mandatory on all vehicles.

S3 or S4 of devices as described in UN Regulation No. 7 or [LSD]: Optional
on all vehicles."

Paragraph 6.8., amend to read:

"6.8. Front position lamps (UN Regulation No. 7 or [LSD])"

Paragraph 6.9., amend to read:

"6.9. Rear position lamps (UN Regulation No. 7 or [LSD])"

Paragraph 6.10., amend to read:

"6.10. Rear fog-lamps (UN Regulation No. 38 or [LSD])"

Paragraph 6.11., amend to read:

"6.11. Parking lamps (UN Regulations Nos. 77, 7 or [LSD])"

Paragraph 6.12., amend to read:

"6.12. End-outline marker lamps (UN Regulation No. 7 or [LSD])"

Paragraph 6.14., amend to read:

"6.14. Rear retro-reflectors, non-triangular (UN Regulation No. 3 or [RRD])"

Paragraph 6.14.2., amend to read:

"6.14.2. Number: Two or four (see paragraph 6.14.5.1)."

Paragraph 6.15., amend to read:

"6.15. Side retro-reflectors, non-triangular (UN Regulation No. 3 or [RRD])"

Paragraph 6.15.2., amend to read:

"6.15.2. Number:

Such that the requirements for longitudinal positioning are complied with. The performances of these devices shall conform to the requirements concerning Class IA or IB retro-reflectors in UN Regulation No. 3 or [RRD].

Additional retro-reflecting devices and materials (including two retro-reflectors not complying with paragraph 6.15.4. below), are permitted provided they do not impair the effectiveness of the mandatory lighting and light-signalling devices."

Paragraph 6.16., amend to read:

"6.16. Rear registration plate illuminating device (UN Regulation No. 4 or [LSD])"

Paragraph 6.17., amend to read:

"6.17. Front retro-reflectors, non-triangular (UN Regulation No. 3 or [RRD])"

Paragraph 6.18., amend to read:

"6.18. Side-marker lamps (UN Regulation No. 91 or [LSD])"

Paragraph 6.19., amend to read:

"6.19. Daytime running lamp (UN Regulation No. 87 or [LSD])"

Paragraph 6.20., amend to read:

"6.20. Cornering lamp (UN Regulation No. 119 or [RID])"

Paragraph 6.21., amend to read:

"6.21. Conspicuity markings (UN Regulation No. 104 or [RRD])"

Paragraph 6.22., amend to read:

"6.22. SMV rear marking plate (UN Regulation No. 69 or [RRD])

6.22.1. Presence: Optional on vehicles with a maximum design speed of not more than 40 km/h. Prohibited on all other vehicles.

6.22.2. Number: According to Annex 15 of UN Regulation No. 69 or Annex 25 of UN Regulation No. [RRD].

6.22.3. Arrangement: According to Annex 15 of UN Regulation No. 69 or Annex 25 of UN Regulation No. [RRD].

6.22.4. Position

Width: According to Annex 15 of UN Regulation No. 69 or Annex 25 of UN Regulation No. [RRD].

Height: No individual specifications.

Length: According to Annex 15 of UN Regulation No. 69 or Annex 25 of UN Regulation No. [RRD].

- 6.22.5. Geometric visibility: According to Annex 15 of UN Regulation No. 69 or Annex 25 of UN Regulation No. [RRD].
- 6.22.6. Orientation: According to Annex 15 of UN Regulation No. 69 or Annex 25 of UN Regulation No. [RRD]."

Paragraph 6.24., amend to read:

"6.24. Manoeuvring lamps (UN Regulation No. 23 or [LSD])"

Paragraph 6.24.9.2., amend to read:

"6.24.9.2. The requirement of 6.24.9.1. shall be verified by a drawing or simulation or deemed be satisfied if the installation conditions comply with paragraph 6.2.2. of UN Regulation No. 23 or paragraph 5.10.2. of UN Regulation No. [LSD], as noticed in the communication document in Annex 1, paragraph 9."
