

7 July 2011

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*

(Revision 2, including the amendments which entered into force on 16 October 1995)

Addendum 49: Regulation No. 50

Revision 2 – Amendment 2

Supplement 14 to the original version of the Regulation - Date of entry into force: 23 June 2011

Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps, direction indicators and rear-registration-plate illuminating devices for vehicles of category L



UNITED NATIONS

* Former title 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.

Table of Contents, amend to read:

" ...

Annexes

1	Minimum horizontal (H) and minimum vertical (V) angles for spatial lamp distribution.....
2	Communication concerning the approval (or refusal or withdrawal of approval or production definitely discontinued) of a type of device pursuant to Regulation No. 50.....
3	Examples of arrangement of the approval marks.....
4	Photometric measurements.....
5	Photometric measurements for the rear-registration-plate illuminating device"

Text of the Regulation,

Insert new paragraphs 6.3. and 6.3.1., to read:

- "6.3. Position lamps, which are reciprocally incorporated with another function, using a common light source, and designed to operate permanently with an additional system to regulate the intensity of the light emitted, are permitted.
- 6.3.1. However, in the case of rear position lamp reciprocally incorporated with a stop lamp, the device shall either:
- (a) Be a part of a multiple light source arrangement, or
 - (b) Be intended for use in a vehicle equipped with a failure monitoring system for that function.

In either case, a note shall be made within the communication document."

Paragraphs 6.3. to 6.4.3. (former), renumber as paragraphs 6.4. to 6.5.3.

Paragraph 7.10., amend to read:

- "7.10. The rear-registration-plate illuminating device shall comply with the specifications indicated in Annex 5 to this Regulation."

Paragraphs 8. to 8.2. amend to read:

"8. Test procedure

- 8.1. All measurements, photometric and colorimetric, shall be made:
- 8.1.1. In case of a lamp with replaceable light source, if not supplied by an electronic light source control gear with an uncoloured or coloured standard filament lamp of the category prescribed for the device, at the necessary voltage to produce the reference luminous flux required for that category of filament lamp;
- 8.1.2. In the case of a lamp equipped with non-replaceable light sources (filament lamps and other), at 6.75 V, 13.5 V or 28.0 V respectively;

- 8.1.3. In the case of a system that uses an electronic light source control gear being part of the lamp³ applying at the input terminals of the lamp the voltage declared by the manufacturer or, if not indicated, 6.75 V, 13.5 V or 28.0 V, respectively;
- 8.1.4. In the case of a system that uses an electronic light source control gear not being part of the lamp, the voltage declared by the manufacturer shall be applied to the input terminals of the lamp.
- 8.2. The test laboratory shall require from the manufacturer the light source control gear needed to supply the light source and the applicable functions."

Insert new paragraphs 8.3. and 8.4., to read:

- "8.3. The voltage to be applied to the lamp shall be noted in the communication form in Annex 2 of this Regulation.
- 8.4. The limits of the apparent surface in the direction of the reference axis of a light-signalling device shall be determined."

Paragraph 9., amend to read:

"9. Colour of light emitted

Stop lamps and rear position lamps shall emit red light, front position lamps shall emit white light, direction indicators shall emit amber light. For the measurement of the colour of the light emitted inside the field of the light distribution grid defined at paragraph 2. of Annex 4, the test procedure described in paragraph 8. of this Regulation shall be applied. Outside this field no sharp variation of colour shall be observed.

However, for lamps equipped with non-replaceable light sources (filament lamps and other), the colorimetric characteristics should be verified with the light sources present in the lamps, in accordance with relevant subparagraphs of paragraph 8.1. of this Regulation."

Annex 2,

Item 9., amend to read:

- "9. Concise description³:
.....
Geometrical conditions of installation and relating variations, if any:
.....
Application of an electronic light source control gear/variable intensity control:
(a) Being part of the lamp: yes/no/not applicable²
(b) Being not part of the lamp: yes/no/not applicable²
Input voltage(s) supplied by an electronic light source control gear/variable intensity control:

³ For the purpose of this Regulation "being part of the lamp" means to be physically included in the lamp body or to be external, separated or not, but supplied by the lamp manufacturer as part of the lamp system. The functioning and installation conditions of these additional systems will be defined by special provisions."

Electronic light source control gear/variable intensity control manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body):"

Annex 3,

The title, amend to read:

"Examples of arrangements of the approval marks"

Annex 4,

Paragraph 3.1., amend to read:

- "3.1. For non-replaceable light sources (filament lamps and other):
With the light sources present in the lamp, in accordance with the relevant subparagraph of paragraph 8.1. of this Regulation."

Annex 5, shall be deleted

Annex 6 (former), renumber as Annex 5.
