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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**176th session**

Geneva, 13-16 November 2018

Item 4.6.28 of the provisional agenda

**1958 Agreement:  
Consideration of draft amendments to existing   
UN Regulations submitted by GRE**

Proposal for Supplement 1 to the 01 series of amendments to UN Regulation No. 86 (Installation of lighting and light-signalling devices for agricultural vehicles)

Submitted by the Working Party on Lighting and Light-Signalling[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Lighting and Light-Signalling (GRE) at its seventy-ninth session (ECE/TRANS/WP.29/GRE/79, para. 9). It is based on ECE/TRANS/WP.29/GRE/2018/9 and Annex III to the report. The text refers to the three new simplified UN Regulations on Light-Signalling Devices (LSD), Road Illumination Devices (RID) and Retro-Reflecting Devices (RRD) (ECE/TRANS/WP.29/2018/157, ECE/TRANS/WP.29/2018/158 and ECE/TRANS/WP.29/2018/159, respectively). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration at their November 2018 sessions.

Supplement 1 to the 01 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 Regulation No. 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.).

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 6.14.4. below), are permitted provided they do not impair the effectiveness of the mandatory lighting and light-signalling devices."

*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."

*Paragraph 6.25.,* amend to read:

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

*Paragraph 6.26.,* amend to read:

"6.26. Signalling panel and signalling foil (UN Regulations Nos. 70 and 104 or [RRD])"

*Annex 6*

*Paragraph 2.,* amend to read:

"2. Each panel or foil shall be according to the specifications of UN Regulation No. 70, class 5 or UN Regulation No. 104, class F or UN Regulation No. [RRD], class 5 or class F."

1. \* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, cluster 3.1), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate [↑](#footnote-ref-2)