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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Lighting and Light-Signalling****Seventy-ninth session**

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Item 4 of the provisional agenda

Simplification of lighting and light-signalling Regulations**Proposal for Supplement [1] to the 01 series of amendments
to Regulation No. 86****Submitted by the Informal Working Group on Simplification of
Lighting and Light-Signalling Regulations (IWG SLR)***

The text reproduced below was prepared by IWG SLR on the basis of informal document GRE-78-13 and with the aim to introduce into the 01 series of amendments to Regulation No. 86 references to the three new simplified Regulations on Light-Signalling Devices (LSD), Road Illumination Devices (RID) and Retro-Reflective Devices (RRD). The modifications to the existing text of Regulation No. 86 are marked in bold for new or strikethrough for deleted characters. Some text is shown in square brackets to indicate that discussion and a decision are required.

* In accordance with the programme of work of the Inland Transport Committee for 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, cluster 02.4), 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.



I. Proposal

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 Regulation No. 69 **or [RRD]**).”

Paragraph 6.1., amend to read:

“6.1. Main-beam headlamps (Regulations Nos. 98, 112 and 113 **or [RID]**)”

Paragraph 6.2., amend to read:

“6.2. Dipped-beam headlamps (Regulations Nos. 98, 112 and 113 **or [RID]**)”

Paragraph 6.3., amend to read:

“6.3. Front fog lamps (Regulation No. 19 **or [RID]**)”

Paragraph 6.4., amend to read:

“6.4. Reversing lamp(s) (Regulation No. 23 **or [LSD]**)”

Paragraph 6.5., amend to read:

“6.5. Direction-indicator lamps (Regulation No. 6 **or [LSD]**)”

Paragraph 6.7. and 6.7.1., amend to read:

“6.7. Stop lamps (Regulation No. 7 **or [LSD]**)

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

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

Paragraph 6.8., amend to read:

“6.8. Front position lamps (Regulation No. 7 **or [LSD]**)”

Paragraph 6.9., amend to read:

“6.9. Rear position lamps (Regulation No. 7 **or [LSD]**)”

Paragraph 6.10., amend to read:

“6.10. Rear fog-lamps (Regulation No. 38 **or [LSD]**)”

Paragraph 6.11., amend to read:

“6.11. Parking lamps (Regulations Nos. 77 or 7 **or [LSD]**)”

Paragraph 6.12., amend to read:

“6.12. End-outline marker lamps (Regulation No. 7 **or [LSD]**)”

Paragraph 6.14., amend to read:

“6.14. Rear retro-reflectors, non-triangular (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 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 (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 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 (Regulation No. 4 **or [LSD]**)”

Paragraph 6.17., amend to read:

“6.17. Front retro-reflectors, non-triangular (Regulation No. 3 **or [RRD]**)”

Paragraph 6.18., amend to read:

“6.18. Side-marker lamps (Regulation No. 91 **or [LSD]**)”

Paragraph 6.19., amend to read:

“6.19. Daytime running lamp (Regulation No. 87 **or [LSD]**)”

Paragraph 6.20., amend to read:

“6.20. Cornering lamp (Regulation No. 119 **or [RID]**)”

Paragraph 6.21., amend to read:

“6.21. Conspicuity markings (Regulation No. 104 **or [RRD]**)”

Paragraph 6.22., amend to read:

“6.22. SMV rear marking plate (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 Regulation No. 69 **or Annex 24 Part B of Regulation No. [RRD]**.

6.22.3. Arrangement: According to Annex 15 of Regulation No. 69 **or Annex 24 Part B of Regulation No. [RRD]**.

6.22.4. Position

Width: According to Annex 15 of Regulation No. 69 **or Annex 24 Part B of Regulation No. [RRD]**.

- Height: No individual specifications.
- Length: According to Annex 15 of Regulation No. 69 **or Annex 24 Part B of Regulation No. [RRD]**.
- 6.22.5. Geometric visibility: According to Annex 15 of Regulation No. 69 **or Annex 24 Part B of Regulation No. [RRD]**.
- 6.22.6. Orientation: According to Annex 15 of Regulation No. 69 **or Annex 24 Part B of Regulation No. [RRD]**.”

Paragraph 6.24., amend to read:

“6.24. Manoeuvring lamps (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 6.2.23. of Regulation No. 23 **or paragraph 5.10.2 of 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 (Regulation No. 3 **or [RRD]**)”

Paragraph 6.26., amend to read:

“6.26. Signalling panel and signalling foil (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 Regulation No. 70, class 5 or Regulation No. 104, class F **or Regulation No. [RRD], class 5 or class F.**”

II. Justification

1. With Supplement 6 to the original series of amendments, references to the device Regulations were introduced to Regulation No. 86 for clarification.
2. With the new simplified Regulations on LSD, RID and RRD produced by IWG SLR, it is necessary to introduce additional references to Regulation No. 86. This amendment deals with such additional references for the 01 series of amendments.