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World Forum for Harmonization of Vehicle Regulations**Working Party on Lighting and Light-Signalling****Eighty-ninth session**

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Item 4 of the provisional agenda

Simplification of lighting and light-signalling UN Regulations**Proposal for a Supplement to the 01 series of amendments to
UN Regulation No. 148****Submitted by the Informal Working Group on Simplification of
Lighting and Light-Signalling Regulations***

The text reproduced below was prepared by the Informal Working Group on Simplification of Lighting and Light-Signalling Regulations (IWG SLR) with the aim to clarify and to correct the text of the 01 series of amendments to UN Regulation No. 148. The proposed modifications to the current text of the UN Regulations are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), 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 3.3.1.2., renumber to 3.3.1.1.1.

Paragraph 3.3.1.3., renumber to 3.3.1.2.

Paragraph 3.3.4.4., amend to read:

“3.3.4.4. Lamps shall bear marking of the rated voltage(s) (i.e. 6V, 12V or 24V) or the range of voltage, in the case of lamps with:

- (a) An electronic light source control gear; and/or
- (b) A variable luminous intensity control; and/or
- (c) A secondary operating mode; and/or
- (d) Non-replaceable light sources; ~~and/or.~~”

Table 8, amend to read:

“Table 8

Luminous intensities for direction indicator lamps

Direction indicator of categories	Minimum luminous intensity in cd (Par. 4.8.3.1. (a))	Maximum luminous intensity in cd when used as (Par. 4.8.3.1. (b))		Standard light distribution (Par. 4.8.3.1. (c))	Angles of geometric visibility (Par. 4.8.3.1. (d))	
		A single lamp	A lamp marked "D" (Par. 3.3.2.5.2.)		Definition	Minimum luminous intensity in cd
1	$1.75 \cdot 10^2$	$1.20 \cdot 10^3$	$6.00 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$
1a	$2.50 \cdot 10^2$	$1.20 \cdot 10^3$	$6.00 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$
1b	$4.00 \cdot 10^2$	$1.20 \cdot 10^3$	$6.00 \cdot 10^2$	Figure A3-I	Table A2-1	$7 \cdot 10^{-1}$
2a (steady)	$5.0 \cdot 10^1$	$5.00 \cdot 10^2$	$2.50 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$
2b (variable)	$5.0 \cdot 10^1$	$1.00 \cdot 10^3$	$5.00 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$ (day) $7 \cdot 10^{-2}$ (night)
5	$6 \cdot 10^{-1}$	$2.80 \cdot 10^2$	$1.40 \cdot 10^2$	Table A2-2	Table A2-2	$6 \cdot 10^{-1}$
6	$5.0 \cdot 10^1$	$2.80 \cdot 10^2$	$1.40 \cdot 10^2$	Figure A3-IV	N.A.	N.A.
11	$9.0 \cdot 10^1$	$1.20 \cdot 10^3$	$6.00 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$
11a	$1.75 \cdot 10^2$	$1.20 \cdot 10^{23}$	$6.00 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$
11b	$2.50 \cdot 10^2$	$1.20 \cdot 10^{23}$	$6.00 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$
11c	$4.00 \cdot 10^2$	$1.20 \cdot 10^{23}$	$6.00 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$
12	$5.0 \cdot 10^1$	$5.00 \cdot 10^2$	$2.50 \cdot 10^2$	Figure A3-I	Table A2-1	$3 \cdot 10^{-1}$

Paragraph 5.7.7., amend to read:

“5.7.7. Colour:

The colour of the light emitted shall be amber. **However, it can be red, if the rearmost side marker lamp is grouped or combined or reciprocally incorporated with the rear position lamp, the rear end-outline marker lamp, the rear fog lamp, the stop lamp, or is grouped with or has part of the light emitting surface in common with the rear retro-reflector.**”

II. Justification

1. The structure of paragraph 3.3.1.2. has been aligned with UN Regulation No. 149 and the following paragraph has been renumbered accordingly.

2. Superfluous words at the end of paragraph 3.3.4.4. have been removed. This is a purely editorial correction.

3. In Table 8, during the conversion to scientific notation, by mistake the maximum value of the direction indicators of categories 11a, 11b and 11c became 120 cd (i.e. $1.20 \cdot 10^2$) while it should be 1,200 cd (i.e. $1.20 \cdot 10^3$).

4. In paragraph 5.7.7. some text was missing, dealing with the colour of side marker lamps (SML) when combined with any of the rearmost functions. The reinserted text is taken from para. 5.7.4. of the original series of amendments to UN Regulation No. 148.
