Economic and Social Council

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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations
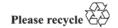
Working Party on Lighting and Light-Signalling

Eighty-seventh session
Geneva, 25–28 October 2022
Item 7 of the provisional agenda
Device UN Regulations

Proposal for a Supplement to the 00 series of amendments to UN Regulation No. 149

Submitted by the experts from the International Automotive Lighting and Light-Signalling Expert Group*

This document was prepared by the experts from the International Automotive Lighting and Light-Signalling Expert Group (GTB) with the aim to correct the Conformity of Production (CoP) values in Tables 26, 27, 28 and 29. The proposed modifications to the current text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

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* In accordance with the programme of work of the Inland Transport Committee for 2022 as outlined in proposed programme budget for 2022 (A/76/6 (Sect.20), para 20.76), 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.

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I.   Proposal

Table 26, amend to read:

"**Class E – Non-bending mode**

Class E - non-bending mode						Position/deg				Column A		Column B		Column C	
Tabled requirements expressed in cd						horizontal			vertical		≙ 0% CoP		≙ 20% CoP		≙ 30% CoP
No	Element	at/	from	to		at				min	max	min	max	min	max
1	B50L	L	3.43		U	0.57					625		880		1005
3	BR	R	2.5		U	1					1750		2100		2275
4	Point BRR	R	8		U	0.57					3550		~~2100~~ **4260**		~~2275~~ **4615**
5	Point BLL	L	8		U	0.57					880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34				880		1135		1260
11	75 R	R	1.15		D	0.57			15200	79300	12160	95160	10640	103090
12	50 V	V			D	0.86			10100	79300	8080	95160	7070	103090
13	50 L	L	3.43		D	0.86			6800	79300[1]	5440	95160[1]	4760	103090[1]

Note to Table 26:

[1] The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form. "

Table 27, amend to read:

"**Class E1 – Non-bending mode State**

Class E1 – non-bending mode						Position/degrees				Column A		Column B		Column C	
Tabled requirements expressed in cd						horizontal			vertical		≙ 0% CoP		≙ 20% CoP		≙ 30% CoP
No	Element	at/	from	to		at				min	max	min	max	min	max
1	B50L	L	3.43		U	0.57					530		700		785
3	BR	R	2.5		U	1					1750		2100		2275
4	Point BRR	R	8		U	0.57					3550		~~2100~~ **4260**		~~2275~~ **4615**
5	Point BLL	L	8		U	0.57					880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34				880		1135		1260
11	75 R	R	1.15		D	0.57			15200	70500	12160	84600	10640	91650
12	50 V	V			D	0.86			10100	70500	8080	84600	7070	91650
13	50 L	L	3.43		D	0.86			6800	70500[1]	5440	84600[1]	4760	91650[1]

Note to Table 27:

[1] The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form. "

Table 28, amend to read:

"**Class E2 – Non-bending mode**

Class E2 – non-bending mode			Position/degrees					Column A $\triangleq$ 0% CoP		Column B $\triangleq$ 20% CoP		Column C $\triangleq$ 30% CoP	
Tabled requirements expressed in cd			horizontal			vertical		$\triangleq$ 0% CoP		$\triangleq$ 20% CoP		$\triangleq$ 30% CoP	
No	Element	at/	from	to		at		min	max	min	max	min	max
1	B50L	L	3.43			U	0.57		440		610		695
3	BR	R	2.5			U	1		1750		2100		2275
4	Point BRR	R	8			U	0.57		3550		~~2100~~ **4260**		~~2275~~ **4615**
5	Point BLL	L	8			U	0.57		880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34		880		1135		1260
11	75 R	R	1.15			D	0.57	15200	61700	12160	74040	10640	80210
12	50 V	V				D	0.86	10100	61700	8080	74040	7070	80210
13	50 L	L	3.43			D	0.86	6800	61700[1]	5440	74040[1]	4760	80210[1]

Note to Table 28:

[1] The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form. "

Table 29, amend to read:

"**Class E3 – Non-bending mode**

Class E3 - non-bending mode			Position/degrees					Column A $\triangleq$ 0% CoP		Column B $\triangleq$ 20% CoP		Column C $\triangleq$ 30% CoP	
Tabled requirements expressed in cd			horizontal			vertical		$\triangleq$ 0% CoP		$\triangleq$ 20% CoP		$\triangleq$ 30% CoP	
No	Element	at/	from	to		at		min	max	min	max	min	max
1	B50L	L	3.43			U	0.57		350		520		605
3	BR	R	2.5			U	1		1750		2100		2275
4	Point BRR	R	8			U	0.57		3550		~~2100~~ **4260**		~~2275~~ **4615**
5	Point BLL	L	8			U	0.57		880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34		880		1135		1260
11	75 R	R	1.15			D	0.57	15200	52900	12160	63480	10640	68770
12	50 V	V				D	0.86	10100	52900	8080	63480	7070	68770
13	50 L	L	3.43			D	0.86	6800	52900[1]	5440	63480[1]	4760	68770[1]

Note to Table 29:

[1] The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form. "

II. Justification

1. In Tables 26, 27, 28 and 29 of the 00 series of amendments to UN Regulation No.149, the maximum values indicated in columns B and C of Point BRR are wrong. They seem to be a copy-paste typo from the line above.

2.   The correct values should be respectively:

•   3550 cd (0% CoP) *no modification proposed.*

•   4260 cd (= 3550 x 1.2) for a 20% tolerance.

•   4615 cd (= 3550 x 1.3) for a 30% tolerance.

3.   The proposal corrects the errors by replacing the wrong values with the right ones.