Proposal for amendments to ECE/TRANS/WP.29/GRVA/2019/5

The amendments to the text contained in document ECE/TRANS/WP.29/GRVA/2019/05 are in bold for new and in strikethrough for deleted text.

Proposal

Paragraph 5.2.1.4., amend the title of 3rd table, to read:

"[Maximum relative Impact Speed (km/h) for N_1 vehicles ~~having α less or equal to 1.3~~"

> ***Justification***:
>
> *This table provides the requirements of all N1 vehicles, i.e. including α > 1.3 and α ≤ 1.3. The table name should reflect this.*

Paragraph 5.2.2.4., amend the 5th and 6th tables, to read (including the addition of new rows for 38 km/h):

"…

Maximum Impact Speed (km/h) for N_1 - second step [~~(2023 in UNECE – i.e. 2023 in EU)~~] [except N_1 vehicles having α less or equal to 1.3]

Subject vehicle speed (km/h)	Laden	Unladen
20	0.00	0.00
25	0.00	0.00
30	0.00	0.00
35	0.00	0.00
38	**0.00**	**0.00**
40	~~0.00~~ **10.00**	0.00
42	10.00	0.00
45	[15.00]	[15.00]
50	[25.00]	[25.00]
55	[30.00]	[30.00]
60	[35.00]	[35.00]

[Maximum relative Impact Speed (km/h) for N_1 vehicles ~~having α less or equal to 1.3~~

Subject vehicle speed (km/h)	Laden		Unladen	
	α >1.3	α ≤1.3	α >1.3	α ≤1.3
20	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
35	0.00	15.00	0.00	0.00
38	**0.00**	**20.00**	**0.00**	**15.00**
40	~~0.00~~ **10.00**	20.00	0.00	15.00
42	10.00	25.00	0.00	20.00
45	[15.00]	25.00	[15.00]	25.00
50	[25.00]	35.00	[25.00]	30.00
55	[30.00]	40.00	[30.00]	35.00
60	[35.00]	45.00	[35.00]	40.00

Justification:

1. *The last table provides the requirements of all N1 vehicles, i.e. including α > 1.3 and α ≤ 1.3. The table name should reflect this.*

2. *The requirement for N1 vehicles with α > 1.3 is that the collision avoidance is mandatory until 38 km/h. the proposed amendment aligns on the requirement for C2C and reflects the decision of IWG.*

Paragraphs 5.2.4.2. and 6.7.3., add the closing square bracket, to read:

"5.2.4.2.   Speed

The system shall be active at least within the vehicle speed range between 10 km/h and 60 km/h and at all vehicle load conditions. [unless manually deactivated as per Paragraph 5.4.]**]**

"6.7.3.   The total speed reduction of the subject vehicle at the time of the impact with the bicycle target shall be not less than the value specified in paragraphs 5.2.3.1.1 and 5.2.3.1.2. respectively. **]**"

Justification:

Paragraphs 5.2.3., 5.2.4. and 6.7 provide the requirements for the Car to Bicycle scenario. This scenario is displayed as an option, to the discretion of a decision by GRVA. However, the closing brackets of paragraphs 5.2.4. and 6.7. are missing in the working document.

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