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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****180th session**

Geneva, 10-12 March 2020

Item 4.7.3 of the provisional agenda

**1958 Agreement:****Consideration of draft amendments to existing****UN Regulations submitted by GRVA****Proposal for the 01 series of amendments to UN Regulation No. 152 (Advanced Emergency Braking Systems for M<sub>1</sub> and N<sub>1</sub> vehicles)****Submitted by the experts from the Working Party on Automated/autonomous and Connected Vehicles\***

The text reproduced below was adopted by the Working Party on Automated/autonomous and Connected Vehicles (GRVA) at its fourth session (ECE/TRANS/WP.29/GRVA/4, para. 53). It is based on ECE/TRANS/WP.29/GRVA/2019/16 and para. 53 of the session report. 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 March 2020 sessions.

Note: This document is expected to be adopted at the same time as ECE/TRANS/WP29/2020/9 (with the Supplement 1 to the original text of UN Regulation No. 152).

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\* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in proposed programme budget for 2020 (A/74/6 (part V sect. 20) para 20.37), 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.



## 01 series of amendments to UN Regulation No. 152 (Advanced Emergency Braking Systems for M<sub>1</sub> and N<sub>1</sub> vehicles)

Paragraph 5.2.1.4., N<sub>1</sub> table and notes, amend to read:

### "Maximum relative Impact Speed (km/h) for N<sub>1</sub> vehicles\*

Relative Speed (km/h)	Stationary/Moving	
	Maximum mass	Mass in running order
10	0.00	0.00
15	0.00	0.00
20	0.00	0.00
25	0.00	0.00
30	0.00	0.00
32	0.00	0.00
35	0.00	0.00
38	0.00	0.00
40	10.00	0.00
42	15.00	0.00
45	20.00	15.00
50	30.00	25.00
55	35.00	30.00
60	40.00	35.00

[All values in km/h]

\* For relative speeds between the listed values (e.g. 53 km/h), the maximum relative impact speed (i.e. 35/30 km/h) assigned to the next higher relative speed (i.e. 55 km/h) shall apply. For masses above the mass in running order, the maximum relative impact speed assigned to the maximum mass shall apply."

Paragraph 5.2.2.4., M<sub>1</sub> and N<sub>1</sub> tables, amend to read:

### "Maximum Impact Speed (km/h) for M<sub>1</sub>\*

Subject vehicle speed (km/h)	Maximum mass	Mass in running order
20	0.00	0.00
25	0.00	0.00
30	0.00	0.00
35	0.00	0.00
40	0.00	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

\* For relative speeds between the listed values (e.g. 53 km/h), the maximum relative impact speed (i.e. 30/30 km/h) assigned to the next higher relative speed (i.e. 55 km/h) shall apply. For masses above the mass in running order, the maximum relative impact speed assigned to the maximum mass shall apply.

### Maximum Impact Speed (km/h) for N<sub>1</sub> vehicles\*

Subject vehicle speed (km/h)	Maximum mass	Mass in running order
20	0.00	0.00
25	0.00	0.00
30	0.00	0.00
35	0.00	0.00
40	10.00	0.00
42	15.00	0.00
45	20.00	15.00

<i>Subject vehicle speed (km/h)</i>	<i>Maximum mass</i>	<i>Mass in running order</i>
50	30.00	25.00
55	35.00	30.00
60	40.00	35.00

\* For subject vehicle speeds between the listed values (e.g. 53 km/h), the maximum impact speed (i.e.35/30 km/h) assigned to the next higher subject vehicle speed (i.e. 55 km/h) shall apply. For masses above the mass in running order, the maximum relative impact speed assigned to the maximum mass shall apply. "

*Insert a new paragraph 12., to read:*

- "12. Transitional provisions
- 12.1. As from the official date of entry into force of the 01 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type approvals under this Regulation as amended by the 01 series of amendments.
- 12.2. As from 1 May 2024, Contracting Parties applying this Regulation shall not be obliged to accept type approvals to the original version of this Regulation, first issued after 1 May 2024.
- 12.3. Until 1 May 2026, Contracting Parties applying this Regulation shall accept type approvals to the original version of this Regulation, first issued before 1 May 2024.
- 12.4. As from 1 May 2026, Contracting Parties applying this Regulation shall not be obliged to accept type approvals issued to the original version of this Regulation.
- 12.5. Notwithstanding paragraph 12.4., Contracting Parties applying this Regulation shall continue to accept type approvals issued according to the original version of this Regulation, for vehicles which are not affected by the changes introduced by the 01 Series of amendments.
- 12.6. Contracting Parties applying this Regulation shall not refuse to grant type approvals according to any preceding series of amendments to this Regulation or extensions thereof."
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