

Proposal for corrections to GRVA-07-09**UN Regulation No. 152 (Advanced Emergency Braking Systems for M₁ and N₁ vehicles)****Submitted by the experts from the Informal Working Group on Advanced Emergency Braking Systems for vehicles of Categories M₁ and N₁****

The text reproduced below was prepared by the experts from the Informal Working Group on Advanced Emergency Braking Systems (AEBS) for vehicles of Categories M₁ and N₁ in order to correct the document GRVA-07-09. The modifications to the text of document GRVA-07-09 are marked in **red bold** for new and ~~red strikethrough~~ for deleted characters.

I. PROPOSAL

Paragraph 6.4., amend to read (including the addition of one column in each table):

“6.4. Warning and Activation Test with a Stationary Vehicle Target

The subject vehicle ...

...

... in stationary target scenario

<i>Maximum mass</i>	<i>Mass in running order</i>	<i>Tolerance</i>
20	20	+2/-0
40	42	+0/-2
60	60	+0/-2

All values in km/h with a tolerance of +0/ -2 km/h

... in stationary target scenario

<i>Maximum mass</i>	<i>Mass in running order</i>	<i>Tolerance</i>
20	20	+2/-0
38	42	+0/-2
60	60	+0/-2

<i>Maximum mass</i>		<i>Mass in running order</i>		<i>Tolerance</i>
<i>$\alpha > 1.3$</i>	<i>$\alpha \leq 1.3$</i>	<i>$\alpha > 1.3$</i>	<i>$\alpha \leq 1.3$</i>	
20	20	20	20	+2/-0
38	30	42	35	+0/-2
60	60	60	60	+0/-2

All values in km/h with a tolerance of +0/ -2 km/h

The functional part ...”.

Paragraph 6.5., amend to read (including the addition of one column in each table):

“6.5. Warning and Activation Test with a Moving Vehicle Target

The subject vehicle ...

Tests shall be conducted with a vehicle travelling at 30 and 60 km/h speeds shown in tables below for respectively M₁ and N₁ categories and target travelling at 20 km/h (with a tolerance of +0/-2 km/h for both the subject and the target vehicles). If this is deemed justified, ...

... in moving target scenario

<i>Maximum mass</i>	<i>Mass in running order</i>	<i>Tolerance</i>
30	30	+2/-0
60	60	+0/-2

All values in km/h with a tolerance of +0/ -2 km/h

... in moving target scenario

<i>Maximum mass</i>	<i>Mass in running order</i>	<i>Tolerance</i>
30	30	+2/-0
58	60	+0/-2

<i>Maximum mass</i>		<i>Mass in running order</i>		<i>Tolerance</i>
<i>a >1.3</i>	<i>a ≤1.3</i>	<i>a >1.3</i>	<i>a ≤1.3</i>	
30	30	30	30	+2/-0
58	50	60	55	+0/-2

All values in km/h with a tolerance of +0/ -2 km/h

The functional part ...”.

Paragraph 6.6.1., amend to read (including the addition of one column in each table):

“6.6. Warning and Activation Test with a Pedestrian Target

6.6.1. The subject vehicle ...

...

The pedestrian target shall travel in a straight line perpendicular to the subject vehicle’s direction of travel at a constant speed of 5 km/h +0/-0.4 ±0.2 km/h, starting not before the functional part of the test has started. The pedestrian target’s positioning shall...

... in pedestrian target scenario

<i>Maximum mass</i>	<i>Mass in running order</i>	<i>Tolerance</i>
20	20	+2/-0
40	42	+0/-2
60	60	+0/-2

<i>Maximum mass</i>	<i>Mass in running order</i>	<i>Tolerance</i>
20	20	+2/-0
30	30	+0/-2
60	60	+0/-2

All values in km/h with a tolerance of +0/ -2 km/h

... in pedestrian target scenario

<i>Maximum mass</i>	<i>Mass in running order</i>	<i>Tolerance</i>
20	20	+2/-0
38	42	+0/-2
60	60	+0/-2

<i>Maximum mass</i>		<i>Mass in running order</i>		<i>Tolerance</i>
<i>$\alpha > 1.3$</i>	<i>$\alpha \leq 1.3$</i>	<i>$\alpha > 1.3$</i>	<i>$\alpha \leq 1.3$</i>	
20	20	20	20	+2/-0
30	N. A.	30	25	+0/-2
60	60	60	60	+0/-2

All values in km/h with a tolerance of +0/ -2 km/h

From the start...”

I. JUSTIFICATIONS

The document GRVA-07-09 erroneously corrected the performance requirements in some tables.
