

Proposal for a supplement to the 01 series of amendments to UN Regulation No. 131 (Advanced Emergency Braking System)

The text reproduced below is based on ECE/TRANS/WP.29/GRVA/2022/23 and GRVA-14-28. It includes input received during the fourteenth session of the Working Party on Automated and Connected Vehicles (GRVA).

Proposal

Paragraph 5.4.1., amend to read: (GRVA-14-28)

“5.4.1. The AEBS function shall be automatically reinstated at the initiation of each new ignition cycle engine start (or run cycle, as relevant).”

Paragraph 6.4.2.3., shall be deleted to read:

- “6.4. Warning and activation test with a stationary target
- 6.4.2. The timing for the collision warning modes referred to in paragraph 5.5.1. above shall comply with the following:
 - 6.4.2.1. At least one warning mode shall be provided no later than specified in Table I, Column B, of Annex 3. [...]
 - 6.4.2.2. At least two warning modes shall be provided no later than specified in Table I, Column C, of Annex 3.
 - ~~6.4.2.3. Any speed reduction during the warning phase, shall not exceed either 15 km/h or 30 per cent of the total subject vehicle speed reduction, whichever is higher.~~
- 6.4.3. The collision warning phase shall be followed by the emergency braking phase.
- 6.4.4. The total speed reduction of the subject vehicle at the time of the impact with the stationary target shall be not less than the value specified in Table I, column D of Annex 3.
- 6.4.5. The emergency braking phase shall not start before a TTC equal to ~~or less than~~ 3.0 seconds.”

Paragraph 6.5.2.3., shall be deleted to read:

- “6.5. Warning and activation test with a moving target
 - 6.5.2. The timing for the collision warning modes referred to in paragraph 5.5.1. above shall comply with the following:
 - 6.5.2.1. At least one haptic or acoustic warning mode shall be provided no later than specified in Table I Column E of Annex 3.
 - 6.5.2.2. At least two warning modes shall be provided no later than specified in Table I Column F of Annex 3.
 - ~~6.5.2.3. Any speed reduction during the warning phase shall not exceed either 15 km/h or 30 per cent of the total subject vehicle speed reduction, whichever is higher.~~
 - 6.5.3. The emergency braking phase shall result in the subject vehicle not impacting the moving target.
 - 6.5.4. The emergency braking phase shall not start before a TTC equal to ~~or less than~~ 3.0 seconds.”
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