



# Economic and Social Council

Distr.: General  
20 December 2022

Original: English

---

## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### 189th session

Geneva, 7-9 March 2023

Item 4.7.3 of the provisional agenda

#### 1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRVA

## **Proposal for a Supplement 3 to the 01 series of amendments to UN Regulation No. 131 (Advanced Emergency Braking System)**

### **Submitted by 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 fourteenth session (see ECE/TRANS/WP.29/GRVA/14, para. 84). It is based on ECE/TRANS/WP.29/GRVA/2022/23, amended by GRVA-14-57. 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 2023 sessions.

---

\* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect.20), para 20.6), 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.



*Paragraph 5.4.1.*, amend to read:

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

This requirement does not apply when a new engine start (or run cycle, as relevant) is performed automatically, e.g. the operation of a stop/start system.

*Paragraph 6.4.*, amend to read: (including the deletion of paragraph 6.4.2.3.)

"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.

6.4.3. 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 3.0 seconds."

*Paragraph 6.5.*, amend to read: (including the deletion of paragraph 6.5.2.3.)

"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.

6.5.3. 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 3.0 seconds."

---