

Proposal for supplement 2 to the original version of UN Regulation No.68 (Measurement of the maximum speed, incl. electric vehicles)

Submitted by the Task Force on Automated Vehicles Regulations Screening

This document proposes to amend UN Regulation No.68 to allow type approval of vehicles with Automated Driving Systems. Modifications to the existing text of the Regulation indicated in **bold** for new characters and ~~strike through~~ for deleted characters.

I. Proposal

Paragraph 1, Footnote 1, amend to read:

~~"1/ As defined in annex 7 to the Consolidated Resolution on the Construction of Vehicles (R.E.3) (document TRANS/SC1/WP29/78/Amend.3)"~~¹ **As defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3), document ECE/TRANS/WP.29/78/Rev.8,**
<https://unece.org/transport/vehicle-regulations/wp29/resolutions>"

Paragraph 5.3.2.3., amend to read:

- 5.3.2.3. Minimum radius of bends: in plan, the loop track shall be a convex curve and may vary from a perfect circle to straight sections linked by approximately circular sections. The radius of curves shall be not less than 200 metres. The effects of centrifugal force shall be compensated by the transverse profile of the curves in such a way that the vehicle holds a normal line without any ~~action on the steering wheel~~ **action**.

Paragraph 5.5.1.1.2., amend to read:

- 5.5.1.1.2. During measurement, the gear ratio used shall be that in which the vehicle is able to reach its maximum steady speed. The ~~accelerator~~ **acceleration demand** shall be ~~fully depressed~~ **at its maximum**. Any cold starting device or manual choke shall be out of operation.

Paragraph 5.5.5., amend to read:

- 5.5.5. Determination of the maximum speed on loop track
- The time T_i required for a complete circuit shall be recorded. Not less than three measurements shall be made with the vehicle following a path corresponding approximately to that taken at the test speed, i.e. not requiring any correction of course by ~~action on the any steering wheel~~ **action**. The difference between the extreme values measured shall not exceed 3 per cent.