

GTR 19 Amend.2

Proposals of Possible Revision points

4th June, 2018
JAPAN

□ Clarification of Vehicle used for testing

- Current text of Paragraph 5 of Annex 1 might lead to misunderstanding.
 - An aged carbon canister need to be fitted during run-in of the vehicle.
 - BWC300 measurement is only needed to decide family criteria (long before certification)
However, it seems BWC300 measurement shall always be done during certification.

3. Vehicle

The vehicle shall be in good mechanical condition and have been run-in and driven at least 3,000 km before the test. For the purpose of the determination of evaporative emissions, the mileage and the age of the vehicle used for certification shall be recorded. The evaporative emission control system shall be connected and functioning correctly during the run-in period. (Add ENTER)

After run-in, a carbon canister aged according to the procedure described in paragraphs 5.1. to 5.1.3.1.3. inclusive of this Annex shall be used, otherwise mentioned to use an auxiliary canister.

□ Requirement of Variable Volume SHED

- In Annex I, the variable volume SHED requirement on the limit of the difference between the SHED internal and the barometric pressures might be a corrigendum.

*2.0 inches of water = 4.98 hPa \doteq 5.0 hPa = 0.5 kPa

(UNR 83 text) Annex 7

4.2.1. Variable-volume enclosure

<Partially Omitted>

Any method of volume accommodation shall limit the differential between the enclosure internal pressure and the barometric pressure to [a maximum value of \$\pm 5\$ kPa](#).

(EPA text) 40CFR86.107-96

(a)(1)(i) <Partially Omitted>

Any method of volume accommodation shall limit the differential between the enclosure internal pressure and the barometric pressure to [a maximum value of \$\pm 2.0\$ inches of water](#).

[GTR 19 text proposal]

4.2. Evaporative emission measurement enclosure

The evaporative emission measurement enclosure shall meet the requirements of paragraph 4.2. of Annex 7 to the 07 series of amendments to UN Regulation No. 83, except that for variable-volume enclosure in paragraph 2.4.1. of Annex 7 to the 07 series of amendments to UN Regulation No. 83, any method of volume accommodation shall limit the differential between the enclosure internal pressure and the barometric pressure to a maximum value of ± 5 hPa.

□ Calibration of equipment

- Calibration of equipment is not clearly stated.

*Last paragraph is collaboration of UNR83 and CFR

4. Test equipment requirement and calibrations

All equipment referred to Annex 5 to UN GTR No.15 shall be calibrated according to Annex 5 to UN GTR No.15 to meet the requirement.

All equipment referred to Annex 7 to the 07 series of amendments to UN Regulation No. 83 shall be calibrated according to Appendix 1 of Annex 7 to the 07 series of amendments to UN Regulation No.83 to meet the requirement.

Other equipment used for testing shall be calibrated before its initial use and then as often as required by the manufacturer or as necessary according to good practice.

(UNR 83 text) Annex 7 Appendix 1

1. Calibration frequency and methods

1.1. All equipment shall be calibrated before its initial use and then calibrated as often as necessary and in any case in the month before type approval testing. The calibration methods to be used are described in this appendix.

(EPA text) 40CFR§86.126-90 Calibration of other equipment.

Other test equipment used for testing shall be calibrated as often as required by the manufacturer or as necessary according to good practice. Specific equipment requiring calibration are the gas chromatograph and flame ionization detector used in measuring methanol and the high pressure liquid chromatograph (HPLC) and ultraviolet detector for measuring formaldehyde.

□ Family definition

- It is difficult to understand where “connection technique” is applied to. According to past discussion, it is following.

[Current Text]

5.5. Evaporative emission family

5.5.1. ~

(b) Vapour hose material, fuel line material and connection technique;

[Proposed change]

(b) Vapour hose material;

(c) Fuel line material and connection technique;

Thank you for your attention!
