

**OICA PROPOSAL FOR CORRIGENDA TO DOCUMENT
ECE/TRANS/WP.29/GRPE/2007/8/Rev.1**

(UK PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 83)

The modifications to the text of the Regulation as proposed in ECE/TRANS/WP.29/GRPE/2007/8/Rev.1 are marked in **bold** characters.

A. PROPOSAL

Annex 4a

6.3.1. For the purpose of measuring particulates, at most 36 hours and at least 6 hours before testing, the Part Two cycle described in paragraph 6.1. of this annex shall be used for vehicle pre-conditioning. Three consecutive cycles shall be driven. The dynamometer setting shall be indicated as in paragraph 6.2.1. above.

At the request of the manufacturer, vehicles fitted with indirect injection positive ignition engines may be preconditioned with one Part One and two Part Two driving cycles.

In a test facility in which there may be possible contamination of a low particulate emitting vehicle test with residue from a previous test on a high particulate emitting vehicle, it is recommended **for the purpose of sampling equipment pre-conditioning**, that a 120 km/h steady state drive cycle of 20 minutes duration ~~be driven by a low particulate emitting vehicle prior to the~~ followed by three consecutive Part Two cycles **conditioning described above** be driven by a low particulate emitting vehicle.

Annex 4a

Appendix 2, add new section:

1.4.1.5. A mixing chamber (MC) in which exhaust gas and air are mixed homogeneously, and which may be located close to the vehicle so that the length of the transfer tube (TT) is minimized;

Figure 6 This figure needs to be changed accordingly to incorporate the mixing chamber.

Annex 4a

Appendix 3

3.1. Pure gases

The following pure gases shall be available, if necessary, for calibration and operation:
purified nitrogen: (purity: ≤ 1 ppm C, ≤ 1 ppm CO, ≤ 400 ppm CO₂, ≤ 0.1 ppm NO);

purified synthetic air: (purity: ≤ 1 ppm C, ≤ 1 ppm CO, ≤ 400 ppm CO₂, ≤ 0.1 ppm NO);
oxygen content between 18 and 21 per cent volume;

Purified oxygen: (purity > 99.5 per cent vol. O₂);

Purified hydrogen (and mixture containing helium): (purity ≤ 1 ppm C, ≤ 400 ppm CO₂).

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B. JUSTIFICATION

Annex 4a section 6.3.1.

The text is revised to provide a clearer distinction between the vehicle preconditioning in paragraphs 1 and 2 and the sampling system conditioning in paragraph 3.

Annex 4a Appendix 2, new section 1.4.1.5

The mixing chamber section is additionally incorporated into the PDP-CVS (positive displacement pump) sampling set up as per the requirements in EU Directive 70/220/EEC as last amended. The mixing chamber is already permitted as part of the CFV-CVS sampling system set up (Appendix 2, section 1.4.2.2) and therefore the identical paragraph is inserted as new section 1.4.1.5.

Annex 4a Appendix 3, section 3.1

Correction of symbols for the specification of purity of the reference gases from ' \pm ' to ' \leq ' consistent with existing text in ECE R-83.05
