Commission Directive 2008/74/EC of 18 July 2008 amending, as regards the type approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and access to vehicle repair and maintenance information, Directive 2005/55/EC of the European Parliament and of the Council and Directive 2005/78/EC (Text with EEA relevance)

ANNEX I

Amendments to Directive 2005/55/EC

3. Appendix 1 of Annex III is amended as follows:

(a) In Section 2, point 2.7.4 is replaced by the following:

2.7.4. Particulate sampling

A single filter shall be used for the complete test procedure. The modal weighting factors specified in the test cycle procedure shall be taken into account by taking a sample proportional to the exhaust mass flow during each individual mode of the cycle. This can be achieved by adjusting sample flow rate, sampling time, and/or dilution ratio, accordingly, so that the criterion for the effective weighting factors in Section 6.6 is met.

The sampling time per mode shall be at least four seconds per 0,01 weighting factor. Sampling shall be conducted as late as possible within each mode. Particulate sampling shall be completed no earlier than five seconds before the end of each mode.

(b) In Section 6, the following points 6.5 and 6.6 are added:

6.5. Calculation of the specific emission

The particulate emission shall be calculated in the following way:

$$PT = \frac{PT_{mass}}{\sum\limits_{i=1}^{i=n} P_i \times W_{fi}}$$

6.6. Effective weighting factor

The effective weighting factor W_{fei} for each mode shall be calculated in the following way:

$$W_{fei} = \frac{m_{sepi} \times q_{medf}}{m_{sep} \times q_{medfi}}$$

The value of the effective weighting factors shall be within ± 0,003 (0,005 for the idle mode) of the weighting factors listed in Section 2.7.1 of this appendix.