

Note on the outcome of the consultation with PEMS manufacturers held on 8 January 2016

13 January 2016

Following a request from DG-GROWTH, JRC has consulted the main manufacturers of Portable Emissions Measurement Systems (PEMS) with the objective to elicit the potential for further reductions in PEMS measurement uncertainty. A separate note summarizes the key findings of this consultation.

JRC would like to emphasize that attention should be paid when using the outcome of the consultation to discuss the feasibility of reducing the RDE conformity factors. Such discussions should consider the perspective taken by the RDE Working Group, namely that the RDE conformity factors account for (i) the measurement uncertainty and (ii) the test-to-test variability which may occur for a given vehicle if tested under a range of ambient and driving conditions.

For the combustion engines and emissions control technologies envisaged to meet the Euro 6 requirements, test-to-test variability of pollutant emissions is unavoidable; its magnitude is pollutant and technology dependent. The test-to-test variability is expected to decrease in the second step of the RDE regulation, as the emission control technologies improve.

The RDE conformity factor shall be the value not to be exceeded in a “worst case situation” (most severe combination of ambient and driving parameters permitted by the RDE Regulation). It can thus be expected that tested vehicles show lower emissions than permitted by the CF if a test is conducted at average severity.