

**To:**  
**Cc:**

**Subject:** RE: Uncertainty of PEMS measurements  
**Attachments:** Note\_PEMS\_improvement\_potentials\_final.docx;  
Accompanying\_note\_final.docx

Dear colleagues,

Attached you find for your information

- the report from the JRC consultation of PEMS manufacturers on uncertainties of PEMS measurements and improvement potential; PEMS manufacturers were consulted on 8 January 2016
- an accompanying note explaining the JRC position on RDE CF and uncertainties

In case of questions, please do not hesitate to contact the two authors directly for clarification.

With best regards,

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**From:**  
**Sent:** Wednesday, December 16, 2015 3:13 PM  
**To:**  
**Cc:**  
**Subject:** Uncertainty of PEMS measurements

Dear all,

You have heard that on Monday the ENVI committee of the EP rejected the RDE 2<sup>nd</sup> package on the grounds of the CFs proposed not being compliant with the legal requirements of the Euro 6 co-decision Regulation (EC) 715/2007, defining emission limits under "normal conditions of use". This position may or may not be confirmed by the plenary vote in the EP on 21 January, needless to say that we would be in a very difficult position if the rejection is upheld.

Today I spoke with . He is well familiar with the subject and one of the key persons for defining the position of . He told me that it would be very important that the Commission can give some "outlook" on possible improvements of the measurement accuracy of the PEMS equipment, since the latter would be reflected by bringing down the value of *margin* in the definition of the final conformity factor  $CF = 1 + margin$  (*margin* initially set to 0,5, but subject to an annual revision with regard to the technological progress). Ideally the EP would like to see that the value of *margin* could be something like 0,2 in 2022/23 or so.

I am fully aware that such estimates are extremely difficult to make, but it would be very important to have at least a kind of summary of the PEMS equipment situation and some

outlook of possible improvements available very early in 2016 (at least 1 week BEFORE the plenary vote). I would therefore suggest that we try to schedule a phone conference with PEMS equipment manufacturers as soon as possible in 2016 in order to check what we can do in this respect.

Thanks,