Progress report of the informal group on REC

65th GRPE, 17 January 2013

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State of Play

- Draft regulation almost complete
- Many editorial improvements still necessary
- A number of outstanding issues to be solved before the June GRPE meeting
- Several outstanding issues solved yesterday
- Main remaining outstanding issues presented today to GRPE.
1. **NOx reduction performance of NOx reduction REC**

   **Agreement** on measuring NOx in WHTC, best representing urban driving conditions for trucks and buses where NOx reduction is most needed.

   **Agreement** on performance requirement: 60 % reduction over WHTC for trucks and buses (on road vehicles)

Since NOx reduction performance of RECs for installation on NRMM is measured in NRTC, 60% is then less challenging due to on average higher engine loads.

**Discussion:**

Higher NOx reduction requirement for REC for NRMM, e.g.70%? One contracting party still wants this 70% for REC for NRMM. Most others have expressed they can accept 60%.
Main outstanding issues

2. Direct NO\textsubscript{2} emissions.

Many DPF now successfully being applied are of the continuously regenerating type, typically showing a considerable increase in direct NO\textsubscript{2} emissions, undesirable in situations with AAQ problems for NO\textsubscript{2}.

Options already agreed upon:

a) Evaluation of direct NO\textsubscript{2} during WHTC/NRTC.

b) Separate class of REC with zero increase of direct NO\textsubscript{2}.

c) Combined PM and NO\textsubscript{2} REC (class 4) pose no NO\textsubscript{2} problem due to decrease of NO\textsubscript{x}.

d) Cap on direct NO\textsubscript{2} increase for continuously regenerating traps.

Discussion:

Should the cap be e.g. 20% or 30%?

Many CRT type REC being applied now > 30% direct NO\textsubscript{2}. 20% cap will lead to more complex and expensive ways of (active) regeneration, also for situations where NO\textsubscript{2} poses no AAQ problem.

One Contracting Party insists on 20% increase max, most others and industry favour 30%.
How to proceed further

• Many further improvements still to be drafted and discussed

• Informal group planned for 19 and 20 February to do this. Switzerland has kindly offered to host this meeting.

• Ambition is still to submit a formal proposal for a Regulation to GRPE in June 2013, together with an informal proposal for an amendment 01.

• Requested: a half day informal group meeting in conjunction with the GRPE in June

• Note: our project is not on the work programme (list of New Regulations) of WP29
Thank you for your attention

Henk Baarbé