

WLTP DTP Additional Pollutants subgroup	
Title	AP Subgroup 2nd Meeting — Minutes
Working Paper Number	WLTP-DTP-AP-02-10

Date: 14:00 – 15:30, 27th Sept 2010 (CET)

Location: Telephone/Web Conference

Participants:

Oliver	Mörsch	Daimler
Covadanga	Astorga-Iloren	JRC
Jon	Andersson	Riccardo
Arjan	Dijkhuizen	TME
Kurt	Engelejringer	AVL List GmbH
Less	Hill	HORIBA
Ulf	Kirchner	Ford Europe
John	May	AECC
Jean-Claude	Momique	PSA
Don	Nagy	GM
Alain	Petit	Renault
Bjoern	Ramacher	Volkswagen Group
Norbert	Schuster	Ford Europe
Nikolaus	Steininger	
Karsten	Strobel	GM Europe
Wolfgang	Thiel	BMW AG
Christian	Vavra	MAHA-AIP
Patrick	Walker	GM Europe
Alexander	Petrofski	Volvo Cars
Carl	Jemma	Riccardo

1. Adoption of Minutes of last meeting

Annotation from Nikolaus Steininger

Strategic Decisions: Group should also define components, since no input from outside is to be expected. Input for VOC in context with new fuels is needed. If required from Group further expertise is needed / issue to be addressed at Vienna.

2. N2O Measurement Methods

WLTP-DTP-AP-02-01 was presented.

Suggestion of Kurt Engelejringer to go to raw measurement was discussed. So far no regulation for LD allows raw measurement. Matrix in raw gas is difficult for N2O (high concentrations of cross interfering compounds). Raw measurement would exclude non continuous methods.

Mr. Thiel will provide further information on cavity ring down analyzer

3. HORIBA Proposal for additional measurement technique for nitrogen compounds WLTP-DTP-AP-02-02 was presented. QCL will have LoD of down to 2 ppb, device for bag measurement available 1Q 2011. Supplier situation: Horiba holds some Patents, but not on method itself, other suppliers can also offer a QCL. License holder for QCL is Lucent.

4. Aldehydes: look at CARB procedure, JRC input

Input from JRC with papers: WLTP-DTP-AP-02-04, WLTP-DTP-AP-02-05, WLTP-DTP-AP-02-06, WLTP-DTP-AP-02-07, WLTP-DTP-AP-02-08. Will be discussed in next meeting.

Application of QCL for Aldehydes might be possible, investigation is in course.

5. Ethanol:

Photo acoustic method works well, in current regulation not mentioned but accepted by dear manufacturer letter.

GC-FID would also be an option.

6. Comments on OICA proposals on NH₃ and NO₂ WLTP-DTP-AP-02-03

NH₃: Sample handling for NH₃ most critical, verification procedure for filter system was proposed. AVL will provide input.

NO: Horiba recommended not to exclude the gas cooler for NO-measurement, since NO is not soluble and cooler might help to meet H₂O-quenching requirements for CLD

7. Vienna Meeting

There were questions on nature and scope of meeting. For clarification here the response of Michael R. Olechiw:

"The DTP meeting is open to all contracting parties and industry and is therefore open to the entire membership of the subgroups. The intention is that these are working meetings meant to provide both a reporting structure and a first level of issue resolution. The next level of issue resolution being the GRPE sessions.

I have sent out invitations to all the previous attendees to last GRPE session, but I recognize that this may not adequately cover all the subgroups. My recommendation is to send an invitation to your subgroup members and let them know that if they have a strong

opinion regarding the open issues seeking resolution, they should plan on attending. They need not attend entire meeting.”

8. Face to face meeting at JRC/Ispra 09/10 December 2010 (3. meeting)

Face to face meeting will take place. Please confirm attendance as soon as possible to Cova or Oliver so arrangements can be taken.

Minutes: Oliver Mörsch