

WLTP-DTP Subgroup Additional Pollutants

Progress report

Date: 25. Sept. 2012

WLTP-DTP Subgroup Additional Pollutants
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Meeting schedule

| # | Date | Location | Participants | Main Topic |
|----|---------------|------------------|--------------|---------------------------|
| 1 | 20.07.2010 | Web/TelCo | 14 | Definitions |
| 2 | 27.09.2010 | Web/TelCo | 20 | List of pollutants |
| 3 | 9./10.12.2010 | JRC/Ispra | 15 | List of Candidate methods |
| 4 | 7./8.03.2011 | BMW/Munich | 21 | Drafting of GTR |
| 5 | 10/11.05.2011 | JRC/Ispra | 16 | Drafting of GTR |
| 6 | 09.12.2011 | Web/TelCo | 16 | VP2 parameter list |
| 7 | 11.05.2012 | Web/TelCo | 16 | Open issues GTR |
| 8 | 25.05.2012 | Web/TelCo | 15 | Open issues GTR |
| 9 | 19.06.2012 | Horiba/Frankfurt | 12 | Validation of AP |
| 10 | 08.08.2012 | Web/TelCo | 10 | Open issues GTR |

Validation of AP

NO/NO₂ → sufficient results expected from VP2

N₂O → no further validation required

NH₃ → additional validation necessary

EtOH → additional validation necessary

Aldehydes → additional validation necessary

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Open issues for NH₃ sampling and measurements

| | In Situ | extractive | Approach to solve |
|--|---------|------------|---|
| Sampling during engine off | x | xx | → request to labs to collect data |
| Lost sample | | x | → theoretical approach |
| Addition of diluent | x | | → diluent according spec for pure gases |
| Calibration | x | | |
| Loss of NH ₃ in sample system | | x | → best practice/literature |
| Temperature of analyser (FTIR) | | x | → technical discussion |
| Temperature condition | x | | → best practice/literature |
| Temperature and material of sampling lines | | x | → best practice/literature |
| Filter material | | x | → best practice/literature |

WLTP-DTP-AP, Mörsch/Astorga

Validation of measurement of EtOH and Aldehydes

Additional measurement campaign necessary

- At least two weeks, ca. sept. 2013 (depending on availability of instruments)
- JRC will host (to be confirmed)
- Instrument manufacturers methods:
 - AVL
 - Horiba
 - Innova (to be verified)
 - MAHA
 - Sensors
- GC-Method
- FTIR
- Call for instruments (on CIRCA)

- Vehicles: 2 different FFV, 2 Gasoline