

2005 CITA CONFERENCE

'Global Perspective on Roadworthiness Enforcement'

WORKSHOP #1 - CONCLUSIONS

Emissions-new test methods & procedures

**Chairperson:
Axel Richter
TÜV NORD
Germany**

24 – 27 May 2005
CHICAGO, Illinois, USA

PAPERS PRESENTED

1. **Remote sensing for vehicles: the experience in Barcelona and an approach to diesel remote sensing**
Eduard Fernandez (Applus, Spain)
2. **Total screen testing solutions – Use of RSD to “Clean Screen”**
Niranjan Vescio (ESP, USA)
3. **Introduction of Diesel – OBD in Germany**
Axel Richter (TÜV NORD, Germany)
4. **Presentation / Demonstration of use to screen NOx and particulate matter emissions of gross border traffic (commercial vehicles)**
Niranjan Vescio (A+, USA) (Paper will be tabled and a presentation at the RSD equipment show at the technical visit)

PARTICIPATION

CONCLUSIONS

- OBD improves the quality and the practicality of PTI
- It is important to improve the type approval requirements for OBD to minimize issues with the manufactures applications and the communication during PTI
- The use of OBD for PTI on diesel fueled vehicles has to be evaluated during the next two years
- For low emission diesel vehicles new test procedures and test equipment, covering particulates and NOx for PTI have to be designed

CONCLUSIONS

- Remote sensing can be used as a screening device for gross emitters and to support emission modeling scenarios
- The testing area, the driving situation of the vehicle and the ambient conditions have a big impact of the values from remote sensing
- It is difficult to set default values in regard to the different test conditions

THANK YOU

CITA aisbl

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