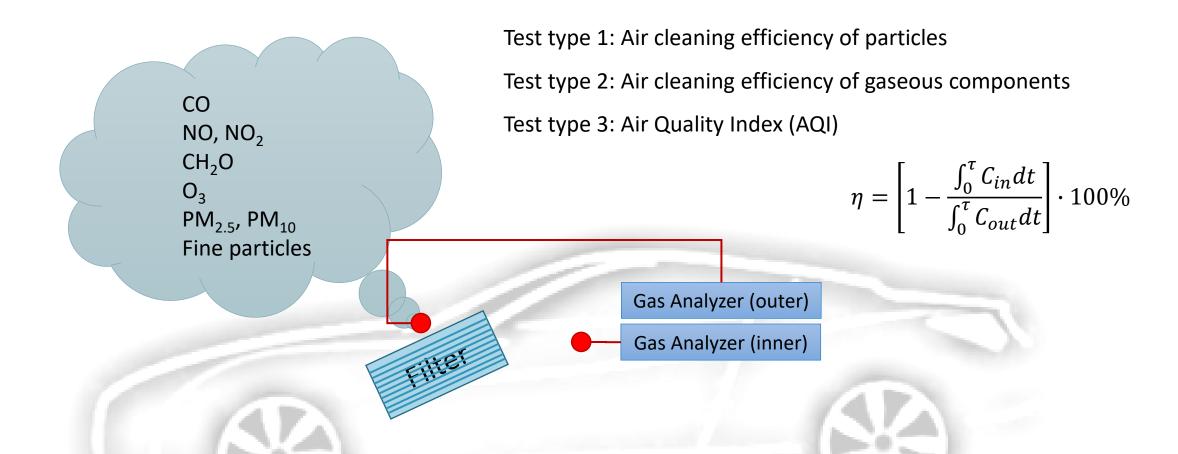
Informal document VIAQ-19-08

Proposals for 3rd and 4th stages of UN ECE Vehicle Interior Air Quality Informal Working Group activity

Paris, March 9-10th 2020

Third Stage



Fourth Stage

VIAQ IWG Vehicle Interior Air Quality Informal Working Group

CO NO, NO₂

CH₂O

 O^3

 $PM_{2.5}$, PM_{10}

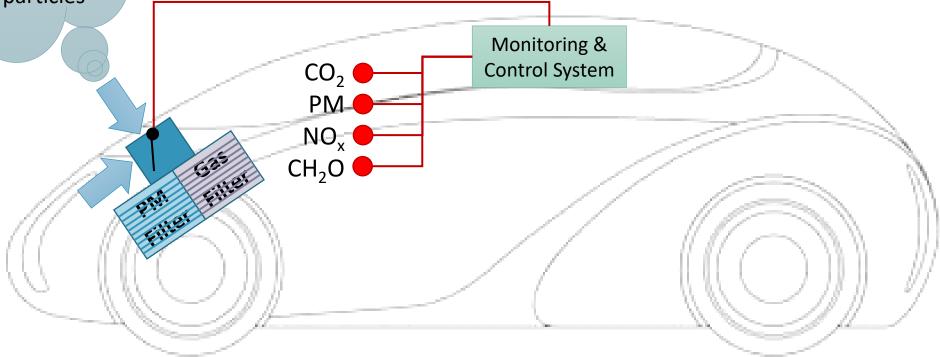
Fine particles

Test type 1: CO₂ concentration control efficiency

Test type 2: PM concentration control efficiency

Test type 3: Gaseous pollutants concentration control efficiency

Control efficiency = System response time



Action plan

Objective: Developing of harmonized methodology for assessing of interior air cleaning efficiency in a complete vehicle

- Data collection and analysis
 - Concentration of harmful substances in ambient air (in cities, in suburban areas, on highways)
 - Concentration of harmful substances in vehicle interior air depending on driving conditions, external pollution level, HVAC mode etc.)
 - Influence of type of HVAC system and cabin air filter type to interior air quality
- 2. Analysis of existing test procedures
 - Existing approaches and methodologies
 - Comparison and analysis of results from different test approaches
- 3. Collection and analysis of test results obtained by VIAQ IWG members
 - For different countries
 - For different driving conditions
 - For different types of HVAC, cabin filters, air cleaning devices
- 4. Developing of harmonized test procedure for assessing of interior air filtering efficiency in a complete vehicle

Timeline

