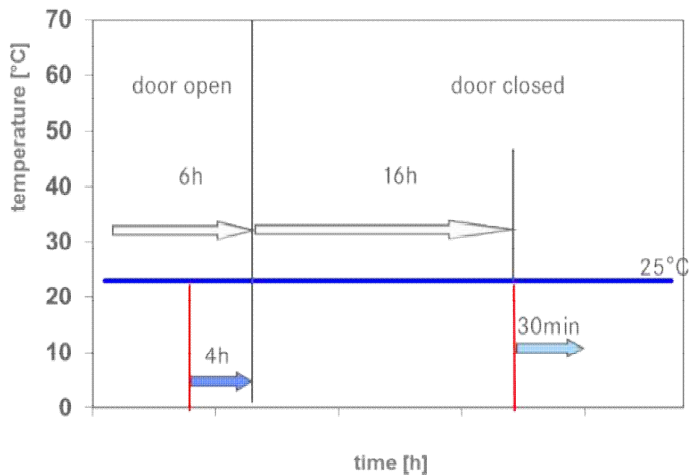# Vehicle Interior Air Quality
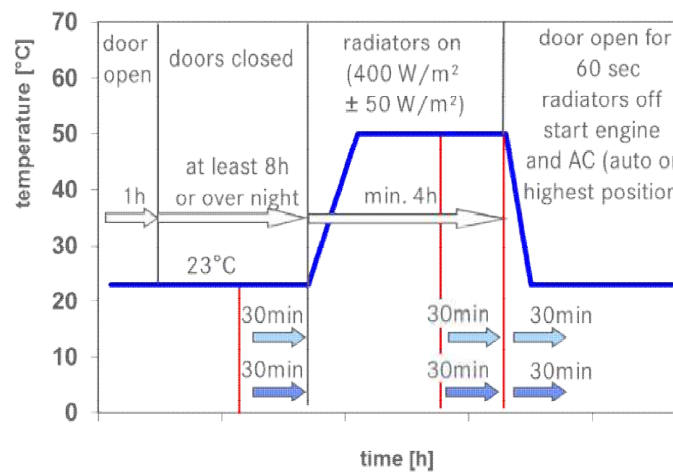# OICA position to GRPE Informal Working Group on VIAQ

Measurement methods for whole vehicles

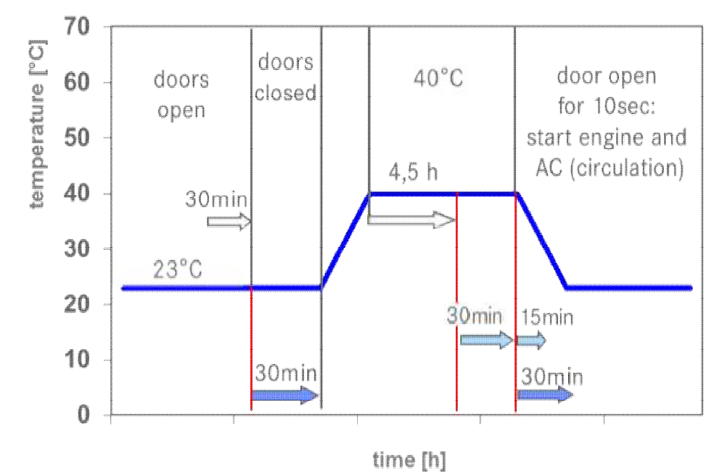### HJ/T 400--2007

ISO 12219-1

JAMA method

- Results of the different methods are not comparable.
- None of these methods can show the full variety of real driving situations.
- The driving part of ISO is as close as possible to these situations.

Measurement method for whole vehicles

- The OICA TF VIAQ believes that more progress can be made by harmonizing test procedures and requirements for vehicle manufacturers and suppliers
- A harmonized comprehensive method to measure the VOC content in vehicles worldwide is a common objective for all relevant parties involved in the topic of VOC analysis.
- This "world standard" has been defined in the ISO 12219-1.
- OICA supports the idea to overtake this ISO 12219-1 as an UNECE regulation.
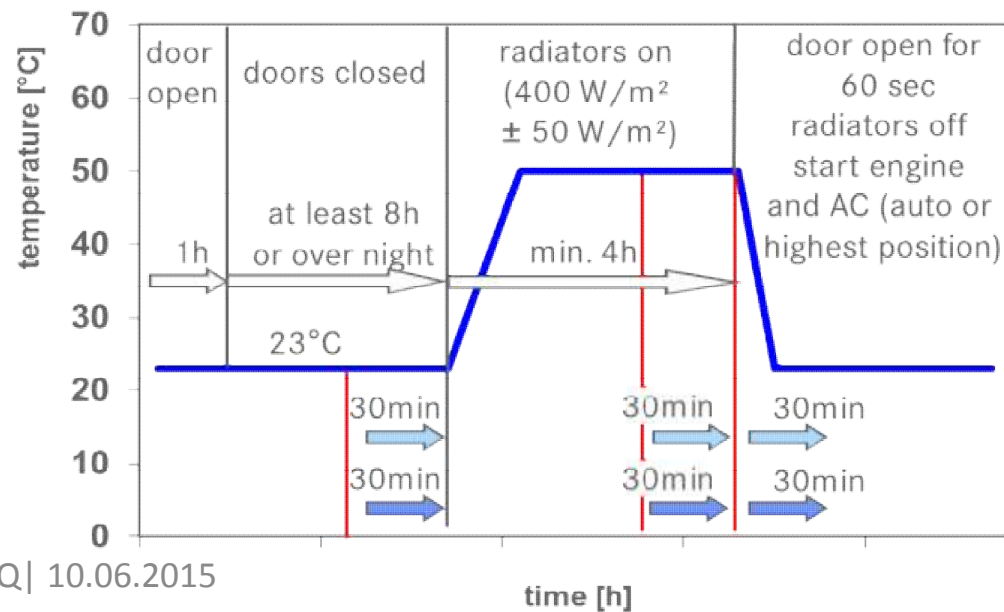
Test vehicle specification

- Vehicles designed and constructed for
  the carriage of passengers with no more
  than eight seats in addition to the driver's seat.

- The vehicles should be taken from series production

- Age of the vehicles: 28 (±5) days for local production
  and 56 (±5) days for import.

- Equal handling is possible if testing abroad is accepted .

- Only new cars should be measured for compliance. Vehicles which were
  used by customers may be affected by various emissions caused by
  customers. Therefore limit values should only refer to new vehicles as
  produced and transported by the manufacturer.

- The test vehicle shall be stored and transported under conditions with no
  direct heating

Conclusions

- A harmonized test procedure is beneficial for all stakeholders.

- The most realistic test scenario is ISO 12219-1. It includes the needs for an realistic exposition, an ambient mode and also a parking mode with defined heating by sunsimulation.

- Only new vehicles shall be tested.

Questions?