

A yellow oval graphic with a black border, tilted at an angle. Inside the oval is a white rectangular box containing text.

GFV-TF – amendments to R49
"OBD for EURO VI gas-fuelled engines"

UN-ECE GFV informal group Task-Force "OBD for gas fuelled engines"

Status Report to the GFV informal group
13 January 2009

GFV Sept.08 decision

- Launch a dedicated Task-Force to adapt Annex 9B of R49 rev.4 to gas engines;
- Present an informal amending proposal to GRPE (January 2009);
- Have the final amendments approved:
 - By GRPE in June 2009;
 - By WP29 in November 2009.

TF Meetings

- 13 November phone conference
 - Review of the technical work to be achieved as regards e.g. monitoring requirements and temporary disablements
 - Share of the work
 - *See documents 081113 "GFV-TF OBD EUROVI - draft notes 1 and 2"*
- 03 and 04 Brussels meeting
 - Review of the contribution received from the participants
 - Editorial modifications to Annex 9B
 - *See documents 081203 "GFV-TF OBD EUROVI - draft notes" and 081219 "GFV-TF OBD EURO VI - draft informal GRPE document (rev 4)"*
- Participants
 - Chair: Andre Rijnders
 - Secretary: Jean-Francois Renaudin (VOLVO)
 - Commission: Petter Asman, Jose Laguna, Klaus Steininger
 - TNO representative
 - OICA: MAN, IVECO and DC representatives
 - CLEPA, AECC and NGVA-EU representatives

Applicability of Annex 9B

- The TF agreed to limit its contribution to gas engines and not to address dual- or bi-fuelled engines
- The Commission formulates its expectation to further extend Annex 9B to other fuels such as gasoline and ethanol
 - Agreed the lay-out of the modifications introduced for gas fuelled engines will address the Commission needs
 - Note: the Commission may decide to request a further extension of Annex 9B at the January 2009 GRPE
- The simultaneous applicability of Annexes 9A and 9B creates an administrative difficulty
 - The TF agrees to get advice from the GRPE secretariat
 - Issue to be solved in the same way as Annexes 4A and 4B

Points outside the scope

- The TF took the initiative to correct some existing editorial mistakes in Annex 9B
 - WWH-OBD chairman and secretary will be kept informed in case these errors would also exist in GTR#5
- Concept of performance monitoring
 - The performance monitoring concept like specified in GTR #5 is quite difficult to understand. The group agrees some examples should be given in a dedicated appendix to Annex 9B in order to provide clarification and guidance during the certification process.

Major amendments

- The TF took the initiative to correct some existing editorial mistakes in Annex 9B
 - WWH-OBD chairman and secretary will be kept informed in case these errors would also exist in GTR#5
- Adaptation of the monitoring requirements to gas engines as regards
 - Fuel injection systems
 - Oxygen sensors
 - Three-way catalysts
 - EGR flow and turbo boost (pending).
- Adaptation of the temporary disablement requirements to gas engines as regards
 - Low fuel level
 - Refuelling
- A new section is added concerning the selection of the reference fuel in the case of a gas engine