

GFV-07-0X from the Chairman

7th GFV meeting Geneva - 9 June 2009

Agenda item IV

5th GFV meeting

- 2-days meeting on the 4 and 5 March 2009 in Brussels, (European Commission offices)

6th GFV meeting

- 26 May 2009 in Brussels (European Commission offices)

3th TF OBD HD meeting

- 3 March 2009 in Brussels, (European Commission offices)

4th TF OBD HD meeting

- 2-days meeting on 17 and 18 March 2009 Brussels (European Commission offices)

7th GFV meeting Geneva

9 June 2009

Agenda item IV

5th and 6th GFV meeting outcome:

- Formal document to GRPE ECE/TRANS/WP.29/GRPE/2009/19

Draft amendments to Regulation No. 115 as a Revision 1

It includes all amendments up to Amendment 3 and aims at introducing a number of clarifications to the provisions, corrections of errors and improved definitions for retrofit systems.

In particular:

- (a) to clarify the scope of application (Euro 3, Euro 4 and Euro 5),
- (b) to delete the concept of "non-intrusive" retrofit systems,
- (c) Improve provisions on dynamometer settings and testing conditions

At a late stage we removed a proposal of the GFV group concerning the CH₄ (methane) and NMHC (non-methane HC) on request of the European Commission. Data should be delivered to justify the proposed CH₄ factor.

7th GFV meeting Geneva

9 June 2009

Agenda item IV

The CH₄ (methane) and NMHC (non-methane HC) issue

Initiatives to deliver emission data.

- test program of IANGV / NGVA Europe and JRC results end July 2009
- test program of NL(RDW) with TNO/Teleflex-GFI, results end July 2009

Results and discussion next GFV meeting

CLEPA comments (6th GFV meeting) addressed in GFV-06-03

7th GFV meeting Geneva

9 June 2009

Agenda item IV

3th and 4th TF OBD HD meeting

- Formal document to GRPE ECE/TRANS/WP.29/GRPE/2009/14

Draft amendments to Regulation No. 49 (heavy duty) concerning the On-Board Diagnostic (OBD) systems

In order to amend Annex 9B of Regulation No. 49 to include On-Board Diagnostics (OBD) for gaseous-fuelled engines and to include a new Annex 9C specifying the technical requirements for providing in-use performance data of OBD systems for diesel engines.

7th GFV meeting Geneva

9 June 2009

Agenda item IV

ECE/TRANS/WP.29/GRPE/2009/14

Annex 9B OBD (GTR OBD requirements)

Applicability

At its 57th session, GRPE agreed that the GFV group could address Annex 9B of Regulation No. 49, together with the applicability of Annex 4B.

Annex 9B should be applicable instead of Annex 9A upon decision of the Contracting Parties, provided Annex 4B is also applied.

Nevertheless, in the case a Contracting Party decides to apply this annex, some requirements of Annex 9A may still remain applicable at the explicit request of that Contracting Party provided these requirements are not in contradiction to the specifications of this annex.

7th GFV meeting Geneva

9 June 2009

Agenda item IV

ECE/TRANS/WP.29/GRPE/2009/14

Annex 9B OBD (GTR OBD requirements)

Annex 9B has been amended in order to be applicable to gaseous-fuelled vehicles.

- Only engines fuelled with a single fuel (Diesel, LPG, or NG)
- But the structure permit in a further stage the easy addition of other fuels, or multi-fuelled vehicles

7th GFV meeting Geneva

9 June 2009

Agenda item IV

ECE/TRANS/WP.29/GRPE/2009/14

Annex 9B OBD (GTR OBD requirements)

Open issues:

- **ELECTRIC / ELECTRONIC COMPONENTS MONITORING** (Appendix 3 - Item 1)
The wording of this paragraph should be reviewed during the 58th session of GRPE !!

7th GFV meeting Geneva

9 June 2009

Agenda item IV

Appendix 3 - Item 1

ELECTRIC / ELECTRONIC COMPONENTS MONITORING

Electric/electronic components used to control or monitor the emission control systems described in this appendix shall be subject to Component Monitoring according to the provisions of paragraph 4.2. of this annex. This includes, but is not limited to, pressure sensors, temperature sensors, exhaust gas sensors **and oxygen sensors when present, knock sensors**, in-exhaust fuel or **reagent** injector(s), in-exhaust burners or heating elements, glow plugs, intake air heaters.

Wherever a feedback control loop exists, the OBD system shall monitor the system's ability to maintain feedback control as designed (e.g. to enter feedback control within a manufacturer specified time interval, system fails to maintain feedback control, feedback control has used up all the adjustment allowed by the manufacturer) - component monitoring.

Note: These provisions apply to all electric-electronic components, even if they belong to any of the monitors described in the other items of this appendix.

[The wording of this paragraph should be reviewed during the 58th session of GRPE]

7th GFV meeting Geneva

9 June 2009

Agenda item IV

ECE/TRANS/WP.29/GRPE/2009/14

Annex 9B OBD (GTR OBD requirements)

Open issues:

- PERFORMANCE MONITORING OF GAS ENGINES:
 - EGR FLOW RATE (Appendix 3 - Item 6)
 - TURBO BOOST (Appendix 3 - Item 8)
 - MISFIRE (Appendix 3 - Item 10)
- (monitoring requirement to be further discussed !!)***

7th GFV meeting Geneva

9 June 2009

Agenda item IV

ECE/TRANS/WP.29/GRPE/2009/14

Annex 9B OBD (GTR OBD requirements)

Editorial amendments

- Appropriate corrections are proposed
- The demonstration test (7.2. and 7.2.2.) is amended in view of having a text closer to gtr No. 5
- proposed to use the word “reagent” and not “reductant” throughout Annex 9B

Technical amendments

including the GFV engines in this Annex

7th GFV meeting Geneva

9 June 2009

Agenda item IV

ECE/TRANS/WP.29/GRPE/2009/14

Annex 9C IUPR

A new Annex 9C specifying the technical requirements for providing in-use performance data of OBD systems for diesel engines. It is based on informal documents Nos. GRPE-57-15 and GRPE-57-29, distributed at the fifty-seventh session of the Working Party on Pollution and Energy (GRPE)

No GFV engines in this Annex yet.

7th GFV meeting Geneva

9 June 2009

Agenda item V

Working Document: GFV-06-02 (Comments on Regulation 115 from the Polish Delegate).

Most of the noted changes in the **6th GFV meeting** are identified in a new Working Document (GFV-07-02)

Doc. GFV-06-02 is not consistent with ECE/TRANS/WP29/GRPE/2009/19

-Difficult to handle this document in the GFV group for a proper discussion.
Proposal to make a spreadsheet of all the issues and make priorities.

7th GFV meeting Geneva 9 June 2009

Agenda item V

The way forward ??

7th GFV meeting Geneva

9 June 2009

Agenda item VI

Next meeting GFV: 28 September 2009 (or the week before)

Issues:

- results test programs CH4
- spreadsheet issues GFV-06-02

TEMPLATE FOR RANKING PRIORITIES AND DEVELOP A WORK PROGRAM

title of the amendment	type of amendment (substance, structure or editorial changes)	paragraphs concerned	current problems / potential benefits	PRIORITY	author
				1 2 3	
clarification of the same manufacter definition	substance	2.2.2 till 2.2.7	unclear provisions	?	polish delegation
definition or deletion of the control strategy wording	substance	2.2.8.	unclear provisions	2-3?	polish delegation
correction of a minor error	editorial	6.1.2.4.1.4		3	GFV secretariat