

Report from Informal Meeting of the GRPE Working Group on WHDC (1 June 2005)

The GRPE working group on Worldwide Heavy-Duty Certification Procedure (WHDC) met on 01 June 2005 under the chairmanship of Mr. Laguna of the European Commission.

The purpose of the meeting was discussion of the latest draft version of the GTR as prepared by the WHDC secretariat (informal document No. GRPE-50-inf04e). The meeting agreed on the following:

- The scope has been modified to "the emission of gaseous and particulate pollutants from compression-ignition engines and positive-ignition engines fuelled with NG and LPG, used for propelling motor vehicles of category 2 having a design speed exceeding 25 km/h and having a maximum mass exceeding 3.5 tonnes"
- The general structure of the GTR is accepted
- The "Statement of Technical Rationale and Justification" is extended as proposed
- Definitions in WHDC, WMTC and WWH-OBd shall be identical or at least compatible
- fa factor between 0.93 and 1.07 will not be mandatory for test validity, but only recommendation
- F-test will be added to the equivalency criterion
- Adaptation of "fuel type" chapter in the engine family concept to the scope of the GTR
- Provisions on testing of aftertreatment systems (continuous and periodic regeneration) are accepted
- Decision on specification of reference fuel to be taken by GRPE
- Cold start test requirements and testing procedure for WHDC are accepted; weighting factor for cold start portion will be provisionally fixed at 10%, but final decision will be taken based on real world data of vehicle operation
- WHDC will remain hot start only
- "Ramped modal cycle" approach as proposed by USA for running steady state cycles will be considered later based on written comments
- Exact calculation procedure and molar based calculations will be added as an alternative to the current table 4 and mass based emissions calculation
- A rounding procedure for the final results will be introduced for better consistency across different approval/certification authorities; rounding will be done to one more significant digit than the emission standard is expressed
- The US linearity provisions will replace the provisions of table 6 and the analyzer calibration provisions of the draft GTR
- Written comments on the draft GTR, which will be made available as revision 1 to inf. document 4, are requested by the end of July 2005
- A meeting of the editorial committee will take place on Friday, 16.09.05 in Chicago in order to finalize the draft GTR
- The draft GTR as agreed will be presented as formal document to the 51st GRPE in January 2006