

17 May 2003

Summary of the kick-off meeting of the informal NRMM Working group of the GRPE held at EC DG-JRC, Ispra, Italy on 16 May 2003

The meeting was opened by the chairman, Mr. G. De Santi. The attendance list is enclosed in Annex 1. It was agreed to distribute hardcopies of all presentations immediately to all participants. Electronic versions will be circulated before the end of May.

The agenda was presented and adopted. (Annex 2)

Terms of Reference and Rules of Procedure were presented. It was requested from the group to extend the terms of reference to steady-state and transient cycles. With that modification the terms of reference and the rules of procedure were accepted. This request will be officially presented to next GRPE meeting (46th).

Mr G. De Santi explained the objectives for the meeting: Presentation of the different legislative approach, the work done so far and the contributions by industry. The definition of the items to go into the test protocol and the identification of items with mutual interest of further development.

Agenda point 6: Presentation by governmental organisation on the ongoing legislative approach.

J. Armstrong (US-EPA) presented the EPA proposal for rulemaking for nonroad machinery and she expressed the interest of EPA in a global harmonisation arriving at a GTR on NRMM. She expressed her satisfaction with the work done by the taskforce (formed by US, Japanese and European regulators and industries) in the past years for the development of a transient testing procedure for NRMM engines, which was successfully concluded in 2002 and therefore entered into the EPA proposal for rulemaking of nonroad machinery. EPA sees this as base for the NRMM work. She asked to consider different aspects of the proposal of rulemaking that are different from the European amendment.

She highlighted the studies on cost benefit and cost efficiency, which strongly underline the need for the new rule making.

K. Kawamata (Japanese Ministry of the Environment) described the Japanese legislative approach and the planned tightening of the emission limits, the reduction of sulphur content and the introduction of new PM standards for 2010. At the moment only steady state testing is foreseen.

M. Ericsson (European Commission) presented the amendment (COM 2002 765 final) to the directive, which is now undergoing the co-decision procedure in the EU Parliament and Council. Also in Europe the successful development of the transient testing procedure has resulted in its inclusion in this amendment.

Agenda point 7: Presentation by governmental organisations on work done so far.

Mr Cornetti stated that it will be very important to use the presently available work on transient testing. Then he presented a paper, prepared together with G. Billi, comparing the European amendment to 97/68/EC and the EPA note for proposed rule making on Tier 4. Some of the differences pointed out might become part of the tasks of this working group.

Mr Kawamata presented the plans by Japan (June 2003 to December 2003) to establish the typical non-road operation pattern, with the final objective to compare the US/ European and Japanese operative patterns.

It was agreed that the papers published by EPA/SwRI form a good base. S. Shimpi underlined the importance of the measuring methodology of the torque of machinery, as the long experience in the US has shown many pitfalls. He underlines the difficulties in running such an exercise.

S. Shimpi (EMA) asked how possible differences in the final test protocol could be integrated into the national regulations. J. Armstrong, G. Cornetti and K. Kawamata explained the procedures in their respective regulatory bodies. J. Stein explained that the ISO standards are reviewed every 5 years.

J. Stein explained that EUROMOT supports the installation of the NRMM WG as they give high consideration to the development of harmonised procedures. Avoiding to different testing procedures for the same engines in different countries is a priority, particularly when considering the measurement of PM and NOx.

J. Stein explained that ISO 8178-11 includes the transient cycle developed in the last years by the international task force and since ISO is an internationally accepted group, ISO 8178-11 could be a good base for the GTR. He also suggested that the progress made for the WHDC GTR should be considered for the structure of the NRMM work. This was acknowledged by the participants.

M. Shikata (LEMA) expressed their strong support for the harmonisation work and that this work concerns engine manufacturers as well as equipment manufacturers.

A. Mayer informed about the Swiss situation on regulation and fuel quality.

The afternoon was dedicated to Agenda item 9: Development of time and task table.

Definition of the items to go into the test protocol: It was agreed that the work should start based on

- the EPA proposal for rule making,
- the European amendment of the directive,
- ISO 8178-11 standard and
- application of the structure of the WHDC GTR draft.

Identification of items of mutual interest for further development: It was decided to build a table of items of mutual interest, which will form the backbone for the future work. This table was started during the meeting and it will be circulated to the participants in order to add their items. In a second stage priorities will be set for all issues. The table will be completed in time for discussion at the next (September 2003) NRMM meeting. It was agreed that the prime objective is the global harmonisation, as such priority shall be given to issues where the multiple national regulations differ.

After completion of the list it and clarification of intentions by the members a test program will be defined, to go in depth of the issues that need further investigation.

The offer by DG-JRC to perform tests at their JRC facilities was accepted with favour by all participants. Engines will be supplied mainly by EUROMOT, LEMA and EMA members.

The next meeting is planned in the US for a day in the 39th week (22 - 26 September 2003). The following meeting will be held in coincidence with the January 2004 GRPE session. The necessary request to hold this meeting will be presented to GRPE at its next session on the 22nd of May, 2003.

Annex 1

Participants to the kick-off meeting in Ispra of 16 May 2003

Jane Armstrong [US EPA]

Dirk Bosteels [AECC]

Giorgio Cornetti [EC DG Environment consultant]

Giovanni De Santi [EC-JRC] {Chairman}

Mats Ericsson [EC DG Environment]

Rudolf Hummel [EC-JRC]

Kotaro Kawamata [Ministry of the Environment, Japan]

Andreas Mayer [TTM]

Malcolm McHattie [Environment Canada]

Bruno Montaigu [UTAC]

Mitsuo Shikata [LEMA]

Shirish Shimpi [EMA, Cummins]

Hans-Juergen Stein [Euromot/ISO, DaimlerChrysler]

Edward Tarling [CNH UK]

Annex 2

Draft of Agenda:

Meeting of Informal group supporting the GRPE NRMM WG,
at EC DG-JRC in Ispra
on the 16th of May 2003 from 9:00 to 17:00.

1. Opening of Meeting
2. Adoption of Agenda
3. Presentation of terms of reference and rules of procedure for informal group
4. Acceptance of terms of reference and rules of procedure

5. Presentation by governmental organisations on the ongoing legislative approach
 - 5.1 US-EPA (C. Jackson)
 - 5.2 Japanese Environment Ministry (Kawamata)
 - 5.3 EC (G. De Santi, G. Cornetti)
 - 5.4 others (any other governmental organisation who wants to contribute to item 5, please indicate subject and presenting person of delegation)

6. Presentation by governmental organisations on the NRMM transient testing (NRTC) work done so far
 - 6.1 US-EPA (C. Jackson)
 - 6.2 Japanese Environment Ministry (Kawamata)
 - 6.3 EC (G. De Santi, G. Cornetti)
 - 6.4 others (any other governmental organisation who wants to contribute to item 6, please indicate subject and presenting person of delegation)

7. Presentation by non-governmental organisations or industries on the work done on NRMM transient testing (NRTC) and any important point
 - 7.1 EMA
 - 7.2 EUROMOT
 - 7.3 LEMA
 - 7.4 ISO
 - 7.5 others (any other non-governmental organisations or industries who would like to contribute to item 7, please indicate subject and presenting person)

8. Preparation for GRPE meeting
9. Any other business