

5 March 2009

Minutes of the NRMM WG Editorial Committee Meeting

Ispra, 25 – 27 February 2009

Following members of the editorial committee attended the meeting:

R. Hummel, EC, Chairman of Meeting  
(substituting G. De Santi, EC, Chairman of NRMM WG)  
G. Billi, Secretary of NRMM WG  
G. Cornetti, EC Consultant  
M. Shikata, LEMA Japan  
C. Jackson, US EPA  
M. Lindgren, SRA Sweden  
S. Shimpi, Cummins, EMA  
A. Stark, FPT , EUROMOT  
M. Ericsson, Scania, EUROMOT  
J. Rostkowski, Environment Canada  
J. Stein, Daimler, EUROMOT (25/02/2009 only)

(Agenda item 1.) The chairman welcomed the participants and presented the objective of this meeting, which was to prepare the official documents for the GRPE meeting in June 2009 and to review the guidance document and agree on its final formatting.

(Agenda item 2.) The draft agenda (Enclosure 1) was reviewed and adopted.

(Agenda item 4.) The chairman informed the experts about the results from the January 2009 NRMM and GRPE meeting :

“a.) The informal document # 21 was presented to the 57th GRPE meeting under agenda item 5. After hearing the opinion of the experts Mr. Gauvin, Chairman of GRPE, summarised that the NRMM gtr shall be introduced as official document to the June 2009 GRPE meeting. The deadline for the submission of official documents is 20 March 2009. Also the final report on the NRMM gtr work has to be deposited by 20 March 2009. Whilst the guidance document shall be introduced directly in the June 2009 GRPE meeting.

b.) During the meeting week, Mr. Hubert, secretary to GRPE, advised R. Hummel on an important number of formatting chances of the informal document to be in line with WP.29 documents. This formatting work will take up to about 10 days between the 2<sup>nd</sup> March and 20<sup>th</sup> of March 2009.

c.) A final effort should be made to agree on the dilution air temperature requirement and trying to eliminate the two remaining options.

d.) Mr. J. Renders of DG ENTR. I4 welcomed the acceptance of the informal document (NRMM gtr) and emphasized the importance of the gtr for the review of the European non-road mobile machinery engines Directive (97/68/EC as amended).”

(Agenda item 5.) The chairman showed the informal document #21 (GRPE-57-21) which had been presented in January 2009 to GRPE. He explained that after the end of the Editorial Committee Meeting only 3 weeks remained to implement all changes decided and to complete the required formatting changes. By 20<sup>th</sup> of March 2009 the final gtr text and the final report on the gtr development have to be introduced to GRPE. After that the guidance document should be completed until the end of May 2009. For the June 2009 GRPE meeting a presentation will have to be prepared. If the document is approved by GRPE, the vote on the NRMM gtr could take place on the 12<sup>th</sup> of November 2009 in WP.29 / AC.3.

R. Hummel explained on a question by S. Shimpi which steps can be taken after the adoption of a gtr:

In case of errors, a corrigendum is introduced;

In case of (for example) updating to technical progress, a Contracting Party would make a proposal for amendment to AC.3. If accepted, the relevant GR is asked to prepare the amendment, which is then to be accepted by AC.3.

(Agenda item 7.) The chairman presented the 2 options on the soak time and the cold start weighting factor and the respective proposals for their solution by DG ENTR I4.

Soak time: After a discussion, the soak time was accepted by all experts of the Editorial Committee to be 20 minutes.

Cold start weighting factor: After a discussion the cold start weighting factor was accepted as 10%.

Thus these two options have been solved. The option related text in the gtr has been updated accordingly.

(Agenda item 6.) The chairman presented the legal status and the suggestions made by different experts regarding the allowed dilution air temperature range. There are two ranges:

(i) US CFR 1065: between 20 and 30 °C. This limited range has been introduced to reduce the variability of PM measurements. A serious concern lies in the effect of the cooling and subsequent heating of the diluted flow on the PM formation processes. J. Stein is concerned about the cost of changing facilities build recently to current standards. According to him the recent deviation (March 2008) from the until then aligned dilution air temperature requirement causes considerable extra cost.

(ii) proposal from European industry: between 20 and 52 °C. This range is also in line with the European requirement.

The discussion did not result in an agreement. In order to give a reliable answer to the questions identified a measurement campaign could be needed. The Editorial Committee

decided to propose to GRPE that the dilution air temperature ranges should be accepted as an option (to be decided by the Contracting Party).

(Changes to ECE-TRANS-WP-29-GRPE-57-inf.21) After the 57<sup>th</sup> GRPE meeting the NRMM experts, reviewing the legal text (enclosure 2), contributed comments regarding error corrections and editorial improvements. These comments were evaluated and where possible introduced.

The chairman presented a document with all changes introduced in colour. The changes were approved. In some cases a discussion clarified the proposed change before approval. All changes and the respective decisions taken by the Editorial Committee can be seen in the documents 'draft base for guidance 24\_02\_2009 changes Edit 27\_2.doc' (enclosure 2) distributed at the end of the meeting 27-02-2009.

The chairman presented 3 comments received but not implemented:

After the discussion of the US EPA comment on 8.2.1.1.3 (Last sentence in "Demonstration of proportional sampling"), the Editorial Committee decided not to implement the comment and consequently the text of the gtr document was not changed. The Editorial Committee decided to include the comment L-4 ("unless otherwise specified" in paragraph 8.1.4.1. concerning "Scope and frequency" of linearity verification") by M. Shikata. The comment L-1 by Mr. Shikata (paragraph 7.3.1.4. "Calibration of gas analyzers") was partially accepted by improving editorially the text ("Also" instead of "At the same time"). Also these changes are marked in colour.

J. Stein informed the experts that table 7.3 on point deletion is being prepared "in a clearer" format for the WHDC WG. He offered to send the table as soon as possible to the Editorial Committee for revision. The Editorial Committee decided to replace the current table 7.3 by this new table, if an OK was received from the experts and especially from EPA. [In fact, in order to introduce the legal text to GRPE secretariat before the 20 March 2009 deadline, the OK must arrive not later than 16 March 2009].

J. Stein informed the experts about document ECE-TRANS-WP-29-GRPE-57-inf.07, which contains the changes proposed for WHDC. The editorial committee decided to include the new chapter 6.10 'crankcase emissions' as chapter 6.10 into the NRMM gtr.

The chairman informed that some changes had been made in the annex 8 'mass based calculation' in response to a reservation declared by J. Stein during the 13/1/2009 NRMM WG meeting. As requested, Mr. Stein identified the points to be changed after the GRPE meeting. The changes have been introduced and the reservation has been dissolved.

Before leaving the meeting on the 25/2/2009 J. Stein confirmed his agreement to introduce the NRMM gtr and the final NRMM report as official documents to GRPE for the June 2009 meeting (deadline 20 March 2009).

(Agenda item 8.) The chairman presented the final report on the NRMM gtr development. This document is required by WP.29 in the context of a gtr development. This document is to be presented together with the gtr. R. Hummel presented the comments he had received and how changes were implemented. The experts agreed to the changes, to the document and the introduction of the final report as official document to GRPE for its June session.

(Agenda item 9.1) The chairman presented the guidance document. He explained its concept, its motivation and its placement on the WP.29 website. The experts agreed to chapter A 'Motivation.

(Agenda item 9.2) The experts discussed the numbering of the guidance document and the decided the following:

- Numbering of text:
- All numbering of chapter headings, equations, figures and tables in Guidance document to be preceded by GD
- No special numbering of guidance sections.
- Example: GD.8.1.7.2. Pressure, temperature, and dewpoint calibration
- Numbering of equation:
- Equations are numbered sequentially within each chapter, stating the chapter number in the equation reference.
- Following guidance equations take the number of the last preceding equation of that chapter plus a, b, c, etc. In case of a guidance equation placed at the very beginning of a chapter the equation number starts with 0, e.g.: GD.A.8-0a.

(Agenda item 9.3) The Editorial Committee decided to include further guidance on the filter handling, as proposed by S. Shimpi.

(Agenda item 9.4) It was decided to delete the two flow charts GL.1 and GL.2.

(Agenda item 9.5 + 9.6) In agreement with the timeline for the guidance document, as identified by GRPE in January 2009, all numerical examples will be reviewed and missing ones added after 20 March 2009 but in time to send the guidance document to GRPE by end of May, for its June 2009 presentation.

(Agenda item 9.7) In the final round table each expert confirmed his acceptance of the guidance document in its current draft form, the motivation in chapter A and the introduction of a completed guidance document as informal document to the June 2009 GRPE session.

(Agenda item 10.) In the final round table each expert confirmed his acceptance of the introduction of the gtr document (legal text) and the final report as official documents to the June 2009 GRPE session.

(Agenda item 3.) Update of legislative developments:

C. Jackson:

- C3 Marine Rule  
Proposal in Spring 2009  
FRM targeting end of the year / early 2010
- Compliance Testing Workshop  
March 11, 2009  
SEAs, Confirmatory Testing, Other Administrator Testing  
In the Ann Arbor, MI Area
- Nonroad Tier 4 Rule initial implementation started in 2008 and final standards will begin implementation in 2011
- GHG  
Staff expecting to have a GHG focus in the near future  
Statements by Carol Browner in Wall Street Journal - February 23, 2009 indicates an expectation that the Administration will be addressing GHG emissions and an endangerment finding in the coming months
- Nonroad diesel fuel transitioning to 15 ppm in 2010.  
It is important that nonroad diesel engine and equipment manufacturers begin to communicate to their customers that they should start to prepare and consider when they start to place the fuel orders (especially when purchasing 2011 engines) to begin to turn their tanks as soon as 15 ppm diesel fuel is available

M. Shikata:

The Japanese Government and the nonroad industries association are very pleased to learn about the recent progress of the drafting of the NRMM gr. It will be very helpful for Japan to introduce the well-developed and global aligned technical procedure into Japanese technical regulation in the near future.

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- Enclosure<sup>1</sup>:
1. Adopted agenda
  2. ECE-TRANS-WP-29-GRPE-57-inf.21
  3. draft base for guidance 24\_02\_2009 changes Edit 27\_2.doc

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13 February 2009

Editorial Committee Meeting of NRMM WG  
25 – 27 February 2009  
JRC Ispra, Italy  
(Chairman: Giovanni De Santi / Rudolf Hummel Secretary: Giorgio Billi)

Proposed Agenda

1. Welcome to Ispra and organizational Details

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<sup>1</sup> As all enclosures have been distributed at the end of the meeting in electronic form, they are not included in this document. Please write to the secretary if you need an electronic copy of a document.

2. Adoption of Draft Agenda
3. Update of legislative developments
  - Japan: Introduction of GTR into Japanese special Vehicle Regulation
  - USA: Latest developments of 1065
  - European Commission: Review of Non-road Directive and GTR
4. Update from GRPE Meeting 15 January 2009
5. Timeline and work schedule for June GRPE Vote and November AC.3 Vote
6. Dilution air temperature:
  - 6.1. Presentation of measurement results, if available
  - 6.2. Discussion of solutions
  - 6.3. Agreement on solution
7. Options on soak time and weighting factor
  - 7.1. Proposal for solution
  - 7.2. Agreement on solutions
8. Final report
  - 8.1. Presentation and discussion
  - 8.2. Finalisation of Final Report as Official Document
  - 8.3. Agreement on introduction of Final Report as Official Document to GRPE before  
March 2009
9. Guidance document
  - 9.1. Presentation of concept and review of chapter A
  - 9.2. Numbering and readability
  - 9.3. Completion of advice text
  - 9.4. Flow charts and pictures
  - 9.5. Numerical examples
  - 9.6. Work plan and tasks February to May 2009
  - 9.7. Agreement on draft version
10. Summary of decisions and tasks
11. Other issues