

GRPE working group on  
the emissions from Non-  
Road Mobile Machinery

Informal document No. GRPE-55-22  
(55th GRPE, 14-18 January 2008,  
agenda item 5.)

# NRMM GTR Draft

## Technical procedure (chapters 7-9)

As informal document to GRPE

# Objectives of NRMM work

- Good alignment had already been achieved with almost identical permissible levels and implementation dates among existing non-road national regulations
- The main contribution of the NRMM GTR to global harmonisation will be the alignment of test protocols
- It will further serve as basis for countries developing new legislation

# Formal steps

- 2002 NRMM in priority list of WP.29
- 2003 start of NRMM WG in GRPE
- 2005 start of editorial committee
- 2006 proposal for NRMM GTR adopted by AC.3 WP.29
- 2007 adoption of progress report
- 2008 Presentation of part of draft GTR

# NRMM GTR work

- 2000 – 2003 Development of real-world transient cycle in international taskforce
- 2003 – 2005 identification of major topics and open issues
- References: 97/68/EC as amended; 40 CFR parts 1039,1065; ISO 8178
- 2005 Definition of draft structure
- 2005 - 2007 preparation of draft text

# Guidance document

- WG NRMM decided to accompany the GTR with a guidance document, in order to give support to less experienced users and to accommodate the differences between ECE/EU legal format and US plain language
- Approved by GRPE and AC.3
- “Side-by-side with legal text on WP.29 GTR website as appendix 1 or 2”
- The guidance document offers advice for facility set-up and running of tests; guidance text does not introduce any legal requirements

# Contributions

- Many stakeholders from industrial organisations and contracting parties have worked to develop this GTR draft
- Discussions were always open and transparent underlining the common interest to achieve harmonisation
- Where and when possible, common solutions of open issues were adopted in NRMM and WHDC in order to maintain a strong alignment between GTRs
- WHDC based on WP.29/1042 has been selected as reference for formatting and numbering

# Simplification of legislation

- Harmonised non-road transient cycle adopted into EU and USA legislation, Japan plans adoption of this transient cycle
- Harmonised testing requirements (and facilities) reduce the economic burden of legislation without affecting the legislative relevance
- Considering important state-of-the art elements (of applied technical procedures), as the
  - Introduction of partial flow dilution in parallel to full flow dilution system
  - Transient cycle which is feasible on eddy-current brakes

# Planning

- January 2008 Presentation of part of technical procedure (inf. Doc)
- June 2008 Presentation of technical procedure (inf. Doc.)
- January 2009 Presentation of NRMM GTR



# Thank you

For questions please contact:

G. Billi Secretary NRMM WG  
R. Hummel