Report from IWG on Environmental and Propulsion Performance Requirements for Light vehicles (EPPR)

66th GRPE 6-7th June 2013
Geneva

Chair Petter ÅSMAN
EPPR-Background

• Initiative by European Union to set up IWG regarding Environmental and Propulsion Performance Req for Light vehicles (i.e. Category 3 or L-category type vehicles)

• Initiative was announced in GRPE in January and June 2012 and WP29 in June 2012

• Agreement by WP29 Nov 2012 to establish IWG

• 1\textsuperscript{st} IWG meeting Geneva 18\textsuperscript{th} January 2013

• 2\textsuperscript{nd} IWG meeting Brussels 24-25 April 2013

• Work to be finalised by 2016
ToR and request for mandate

- Terms of Reference in informal doc GRPE-66-11
- Request for mandate in informal doc GRPE-66-12
- ToR and mandate discussed and agreed in EPPR group
- Priority to work under 1998th agreement but will also work under 58th agreement
- Amend GTR No2 and develop new GTRs with respect to Environmental and Propulsion Performance Requirements
- Create synergies with 58th agreement and where possible develop common requirements in form of UN Reg(s)
- Exchange information on current and future regulatory requirements for ‘light vehicles’
Main areas of work

• The main activities are proposed to be focussing on revising or establishing the following test types:
  – Type I: Tailpipe emissions test after cold start;
  – Type II: Tailpipe emissions test at (increased) idle / free acceleration;
  – Type III: Emission test of crankcase gases;
  – Type IV: Evaporative emissions test;
  – Type V: Durability testing of pollution control devices;
  – Type VII: Measurement of CO2 emissions, fuel consumption, electric energy consumption and electric range determination;
  – Type VIII: On-board diagnostics environmental verification tests.

• Unified rules and test procedures to measure power and torque for propulsion technologies fitted on L-category vehicles

• unified measurement of maximum design vehicle speed and/or power for restricted L-category vehicles should be developed and agreed upon.
Ongoing priority discussion

• Priorities from CPs have been identified and discussion will continue in 3rd EPPR meeting

• Areas with highest priority are:
  – Evaporative emissions (Test Type IV)
  – OBD (Test Type VIII)
  – Tailpipe emissions (Test Type I)

• Final decision on prioritisation not taken yet
Ongoing discussion in EPPR IWG

- Structure of GTRs with separate GTRs per subject (similar structure as WHDC, OBD and OCE for HDVs)
- In order to minimise no of GTRs discussion on grouping test types and vehicle categories is ongoing based on a proposal from India
- ’mirror’ requirements in UN-regs will be needed. Structure to be discussed
Draft Roadmap

• November 2012: 158th session of WP.29 – agreement on establishment of informal working group by adoption of the mandate regarding environmental and propulsion performance requirements for L-category vehicles.

• January 2013: 1st meeting of the EPPR informal working group. Review and adoption of the Rules of Procedure and Terms of Reference.

• June 2013: GRPE (66th session) meeting of the EPPR informal working group. Presentation of draft final roadmap and related programme management items to GRPE submitted for adoption.

• November 2013: 158th session of WP.29, adoption of GRPE decision regarding the final roadmap and related programme management items.

• 2013-2016: meetings of the working group, regularly reporting to GRPE and the Administrative Committees (AC 1 and AC 3)

• January 2016: Present a final report as an informal document to GRPE

• 2016: possible adoption of UN Regulation(s) and Global Technical Regulation(s)
# Draft roadmap (proposal from chair)

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66th GRPE
Next meetings

• 3rd meeting in Geneva on 7 June 2013

• 4th meeting 8-9 October 2013, Pune, India

• 5th meeting in conjunction with GRPE in Geneva in January 2014 (to be confirmed)