UNECE IWG on EPPR for L-category vehicles
State of play
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Joint Research Centre
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EPPR = Environmental and Propulsion Performance Requirements
Outline

✓ Background

✓ Past and next meetings

✓ State of play
  ▪ GTR on Evaporative and Crankcase emissions
  ▪ GTR on OBD-I
  ▪ GTR2

✓ Roadmap
Background

ToR and mandate

- Priority to work under 1998 Agreement but will also work under 1958 Agreement
- Amend GTR No2 and develop new GTRs with respect to Environmental and Propulsion unit 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’
- Adopted at WP29 Nov 2013
Background

Topics to be covered by EPPR

☑ Environmental performance:
  - **Type I**: Tailpipe emissions test after cold start (revision);
  - 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.

☑ Propulsion unit performance:
  - 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.

6 April 2016
Meetings

<table>
<thead>
<tr>
<th>Past Meetings</th>
<th>Next Meetings</th>
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<tr>
<td>• audio-web conference, 24 Sep 2015 (Evap.)</td>
<td>• audio-web conference, 18 Apr 2016 (OBD)</td>
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<td>• audio-web conference, 13 Oct 2015 (Evap.)</td>
<td>• 16th meeting in Geneva, 06 June 2016 (OBD)</td>
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<td>• audio-web conference, 18 Nov 2015 (OBD)</td>
<td>• audio-web conference, 07 Jul 2016 (GTR 2)</td>
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<td>• 13th meeting in Brussels, 26-27 Nov 2015 (Evap/OBD)</td>
<td>• 17th meeting in USA, 20-21 Oct 2016 (TBC) (GTR 2)</td>
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<td>• audio-web conference, 09 Dec 2015 (Evap/OBD)</td>
<td>• audio-web conference, 11 Nov 2016 (TBC)(GTR 2)</td>
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<td>• 14th meeting in Geneva, 12 Jan 2016 (Evap.)</td>
<td>• audio-web conference, 19 Dec 2016 (TBC)(GTR 2)</td>
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<td>• audio-web conference, 16 Feb 2016 (OBD)</td>
<td>• 18th meeting in Geneva, Jan 2017 (TBC)</td>
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<td>• 15th meeting in Ispra, 03 - 04 March 2016 (OBD)</td>
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Stay of Play

✓ **New GTR (informal document June 2015 & working document January 2016)**
  - Evaporative emissions
  - Crankcase emissions

✓ **New GTR (working document in June 2016)**
  - OBD

✓ GTR 2 amended including (tentative informal document for January 2017)
  - Test type I (work have started)
  - Test type II (Idling)
  - Test type VII on Energy efficiency (CO2, FC& Range)

✓ GTRs to be transposed into UN Regulations

6 April 2016
Evaporative and Crankcase emissions

✓ Adopted by the GRPE in its 72nd Session (Jan 2016)

- Formal GTR proposal: ECE/TRANS/WP.29/GRPE/2016/2 - (Informal Working Group on Environmental and Propulsion Performance Requirements (EPPR)) Proposal for a new global technical regulation on the measurement procedure for two- or three-wheeled motor vehicles equipped with a combustion engine with regard to the crankcase and evaporative emissions

- Combined with the
  - final draft Technical Report: GRPE-72-06
  - Several open points resolved and Informal Document GRPE-72-13

✓ To be considered for vote by WP.29 and AC.3 in the June 2016 sessions
OBD-I

✓ Submitted working document for the 73rd Session of the GRPE (June 2016)
  - ECE-TRANS-WP29-GRPE-2016-13

✓ Some open issues still to be resolved within the group:
  - Definition of warm-up cycle
  - Clarification of “freeze-frame” parameters to be stored
  - Template for the RMI (new Annex): Based upon some of the already existing templates in the parties.

✓ Technical report under preparation
GTR2

- EPPR-11-15 Rev1 = proposal EC
- IMMA started identification of differences with current GTR2 = EPPR-11-10
- Extensive document. Split the work, during 2016
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