UNECE IWG on EPPR for L-category vehicles
State of play
A. Perujo
Outline

✓ Background
✓ Past and next meetings
✓ State of play
  ▪ GTR on Evaporative and Crankcase emissions
  ▪ GTR on OBD-I
  ▪ GTR2
✓ Roadmap

9 June 2016
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); [PRIORITY]
  - Type II: Tailpipe emissions test at (increased) idle / free acceleration;
  - **Type III:** Emission test of crankcase gases; [PRIORITY]
  - **Type IV:** Evaporative emissions test; [PRIORITY]
  - **Type V:** Durability testing of pollution control devices; [PRIORITY]
  - Type VII: Measurement of CO2 emissions, fuel consumption, electric energy consumption and electric range determination;
  - **Type VIII:** On-board diagnostics environmental verification tests. [PRIORITY]

✓ 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.
# 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, 11 May 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, 17-19 Oct 2016 (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>
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<td>15th meeting in Ispra, 03 - 04 March 2016 (OBD)</td>
<td>18th meetin in Geneva, Jan 2017 (TBC)</td>
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<tr>
<td>audio-web conference, 18 Apr 2016 (OBD)</td>
<td>19th meeting in Japan, March 2017 (TBC)</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
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 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 submitted
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
EPPR Roadmap
Contact information

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https://www2.unece.org/wiki/pages/viewpage.action?pageId=5800520

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