

# UNECE IWG on EPPR for L-category vehicles

## State of play

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**Joint Research Centre**  
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# Outline

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  - GTR on OBD-I
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# 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
- ✓ **Extended at WP29 Jun 2015 (2016 to 2020)**  
(ECE/TRANS/WP.29/AC.3/36/Rev.1)

# 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;** ★
  - **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

Past Meetings	Next Meetings
<ul style="list-style-type: none"> <li>• audio-web conference, 24 Sep 2015 (Evap.)</li> <li>• audio-web conference, 13 Oct 2015 (Evap.)</li> <li>• audio-web conference, 18 Nov 2015 (OBD)</li> <li>• 13th meeting in Brussels, 26-27 Nov 2015 (Evap/OBD)</li> <li>• audio-web conference, 09 Dec 2015 (Evap/OBD)</li> <li>• 14th meeting in Geneva, 12 Jan 2016 (Evap.)</li> <li>• audio-web conference, 16 Feb 2016 (OBD)</li> <li>• 15th meeting in Ispra, 03 - 04 March 2016 (OBD)</li> </ul>	<ul style="list-style-type: none"> <li>• audio-web conference, 18 Apr 2016 (OBD)</li> <li>• 16th meeting in Geneva, 06 June 2016 (OBD)</li> <li>• audio-web conference, 07 Jul 2016 (GTR 2)</li> <li>• 17th meeting in USA, 20-21 Oct 2016 (TBC) (GTR 2)</li> <li>• audio-web conference, 11 Nov 2016 (TBC)(GTR 2)</li> <li>• audio-web conference, 19 Dec 2016 (TBC)(GTR 2)</li> <li>• 18th meeting in Geneva, Jan 2017 (TBC)</li> </ul>

# 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 (CO<sub>2</sub>, 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

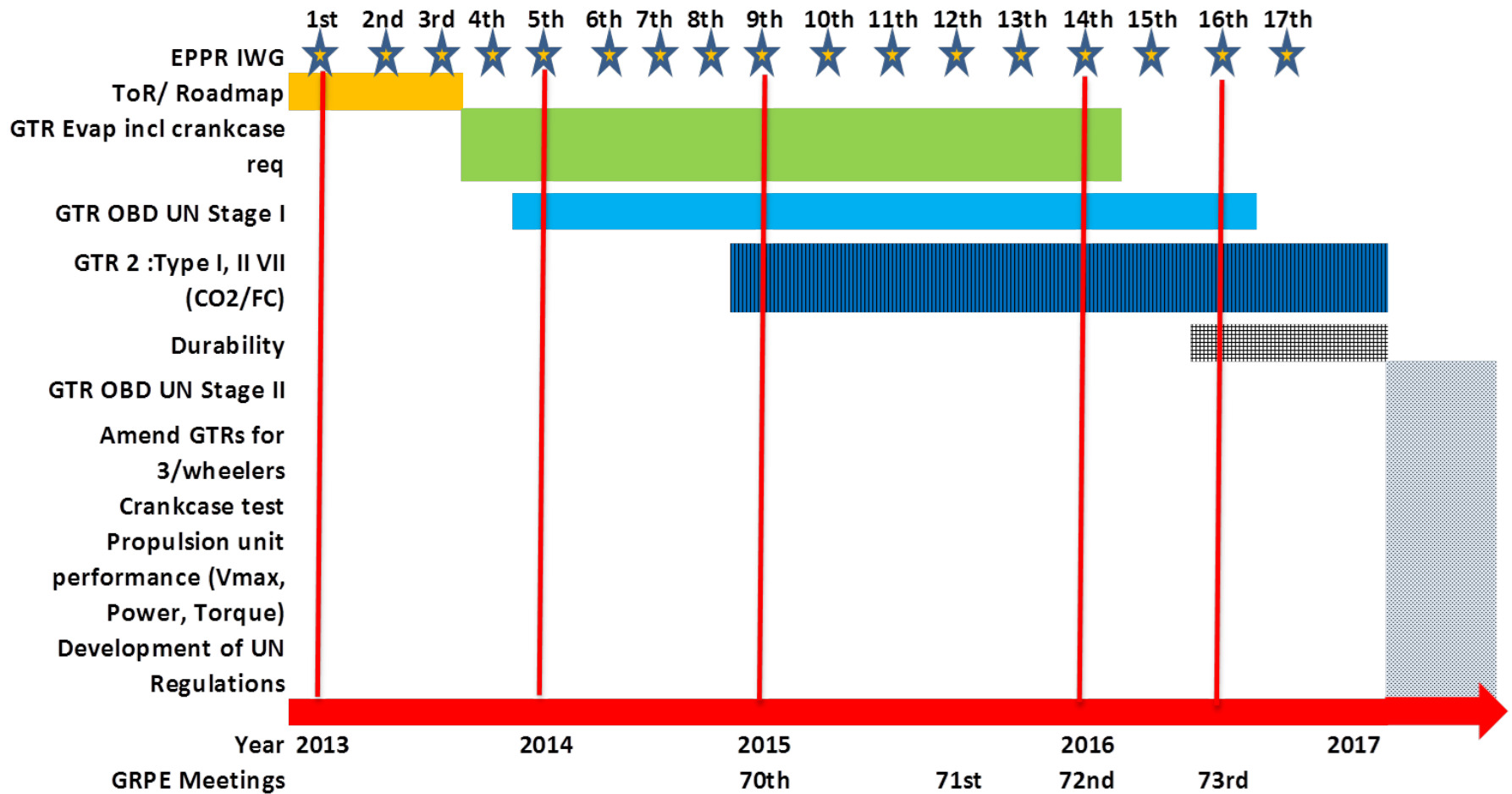
- ✓ **Submitted working document for the 73rd Session of the GRPE (June 2016)**
  - **ECE-TRANS-WP29-GRPE-2016-13**
- ✓ **Some open issues still to be resolved within the group:**
  - Definition of warm-up cycle
  - Clarification of “freeze-frame” parameters to be stored
  - Template for the RMI (new 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

# EPPR Roadmap



## Contact information

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**Web page for the EPPR IWG:**  
<https://www2.unece.org/wiki/pages/viewpage.action?pageId=5800520>