

Informal document GRPE-74-12
74th GRPE, 9-13 January 2017,
Agenda item 9(b)

Joint Research Centre

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*Serving society
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UNECE IWG on EPPR for L-category vehicles

State of play

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Outline

- ✓ **Background**
- ✓ **Past and next meetings**
- ✓ **State of play**
 - GTR on Evaporative and Crankcase emissions
 - GTR on OBD-I
 - GTR2
 - OBD 2
- ✓ **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
- ✓ **Extended at WP29 Jun 2015 (2016 to 2020)**
(ECE/TRANS/WP.29/AC.3/36/Rev.1)



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Background

Topics to be covered by EPPR

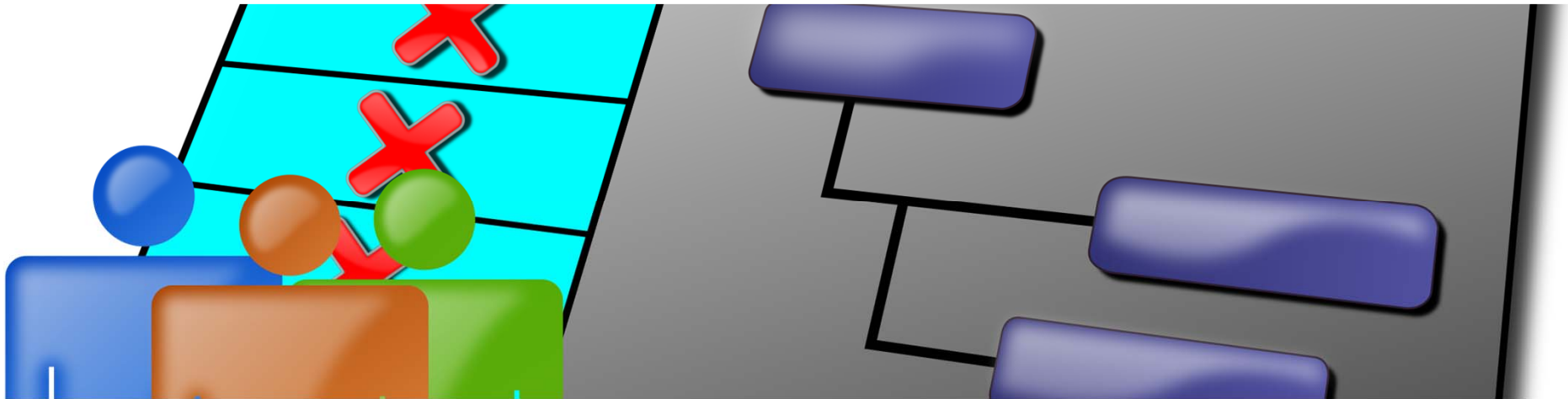
➤ **Environmental performance:**

- 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.





Meetings

Past Meetings	Next Meetings
<p>16th meeting in Geneva, 06 June 2016 (OBD) audio-web conference, 01 Sep 2016 (GTR 2) 17th meeting in USA, 17-19 Oct 2016 (GTR 2) audio-web conference, 11 Nov 2016 (GTR 2) audio-web conference, 19 Dec 2016 (GTR 2) 18th meeting in Geneva, 9 Jan 2017 (GTR2-OBD2)</p>	<p>audio-web conference, 10 Feb 2017 (GTR 2) 19th meeting in Japan, March 2017 (GTR2) audio-web conference, May 2017 (GTR 2) 20th meeting in Geneva, June 2017 (GTR2) * audio-web conference, July 2017 (GTR 2) 21st meeting, October 2017 (GTR2) audio-web conference, 10 Nov 2017 (GTR 2) audio-web conference, 15 Dec 2017 (GTR 2)</p>



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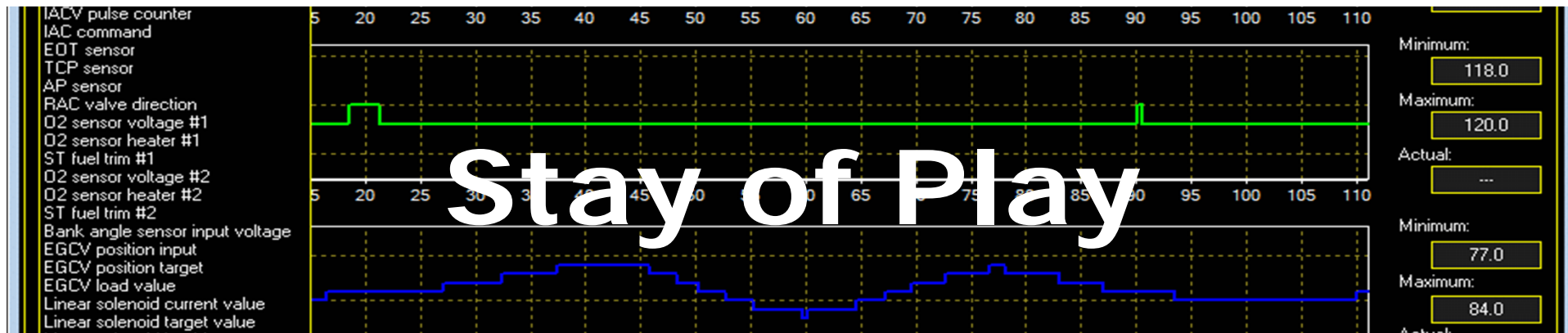


Stay of Play

Evaporative and Crankcase emissions

- ✓ Adopted by the GRPE in its 72nd Session (Jan 2016)
- ✓ *The proposal for a new UN GTR on crankcase and evaporative emissions from two- or three-wheeled motor vehicles equipped with a combustion engine (ECE/TRANS/WP.29/2016/66, ECE/TRANS/WP.29/2016/67, ECE/TRANS/WP.29/AC.3/36/Rev.1) was established in the UN Global Registry on 17 November 2016 by consensus vote of the following Contracting Parties present and voting ...*





OBD-I

- ✓ Adopted by the GRPE in its 73rd Session of the GRPE (June 2016)
- ✓ *The proposal for a new UN GTR on the measurement procedure for two- or three-wheeled motor vehicles with regard to on-board diagnostics (ECE/TRANS/WP.29/2016/112, ECE/TRANS/WP.29/2016/113, ECE/TRANS/WP.29/AC.3/36/Rev.1) was established in the UN Global Registry on 17 November 2016 by consensus vote of the following Contracting Parties present and voting ...*



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Stay of Play



GTR2

- ❑ EPPR-11-15 Rev1 = proposal EC
- ❑ IMMA has identified the differences between current GTR2 & EPPR-11-15 Rev1
- ❑ Extensive document. Split the work, during 2016 and 2017
- ❑ Japan has requested and the IWG has accepted to take the EURO 5 regulation as the basis for discussion and development of GTR 2 revision.
- ❑ Intentions to present an informal documents to GRPE (June 2017)

OBD2

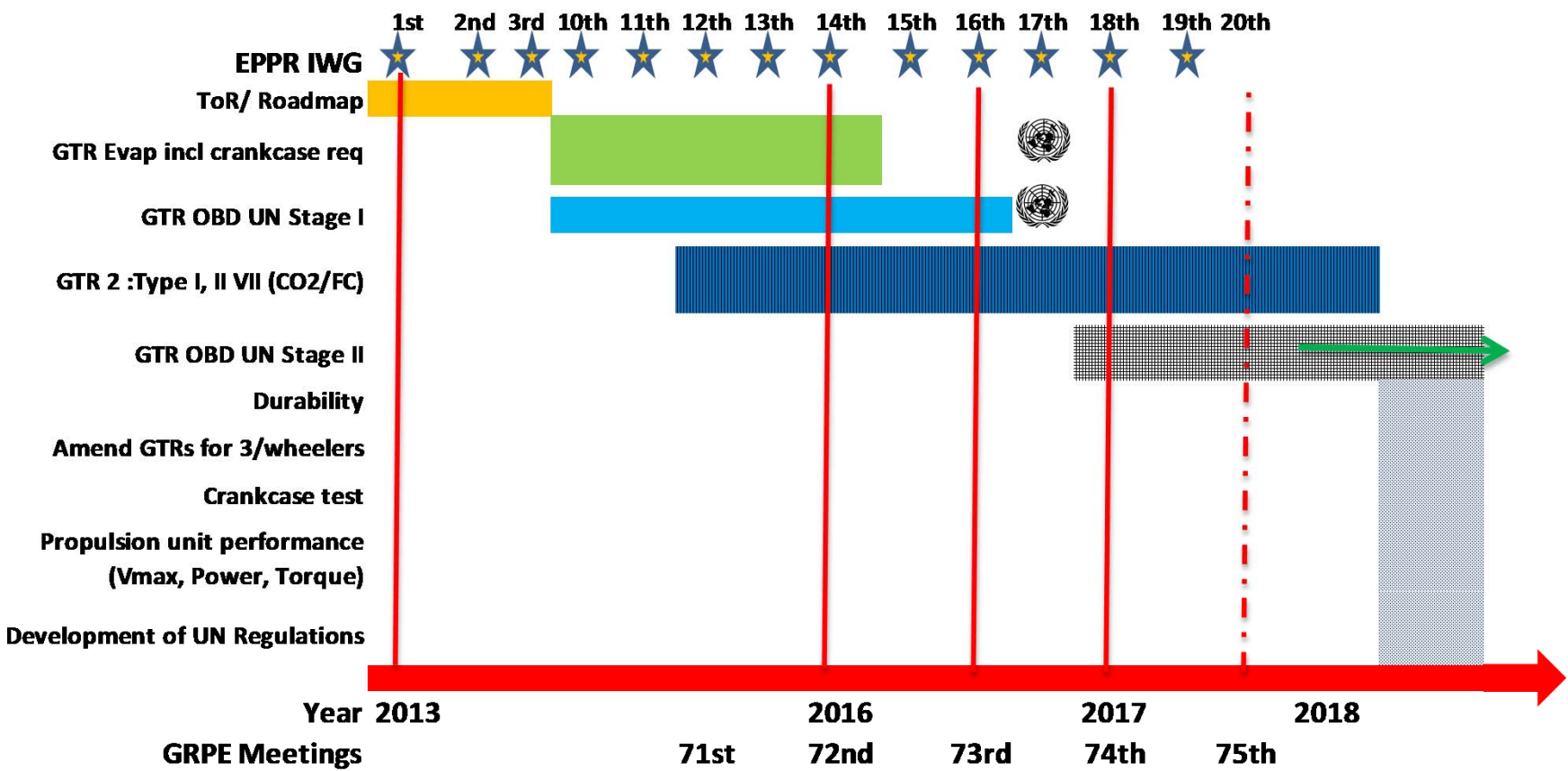
- ❑ Start full work on this item from beginning 2018 (agreed by all parties)




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EPPR Roadmap



 GTR approved by WP29/AC2





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