

Joint Research Centre

the European Commission's in-house science service

*Serving society
Stimulating innovation
Supporting legislation*

UNECE IWG on EPPR for L-category vehicles



State of play

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Chairman IWG EPPR (L-cat)



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Outline

- ✓ **Background**
- ✓ **State of play**
 - GTR2
 - OBD2
- ✓ **Next Steps /Roadmap**
- ✓ **Past and next meetings**





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.



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Stay of Play

GTR2

- GENERAL REQUIREMENTS ✓
- TEST TYPE I, EXHAUST EMISSIONS AFTER COLD START ✓
- TEST TYPE II, TAILPIPE EMISSIONS AT (INCREASED) IDLE AND AT FREE ACCELERATION
- TEST TYPE VII, ENERGY EFFICIENCY
- COMMON ANNEXES

Informal document submitted to the GRPE for information to the CP and stake holders

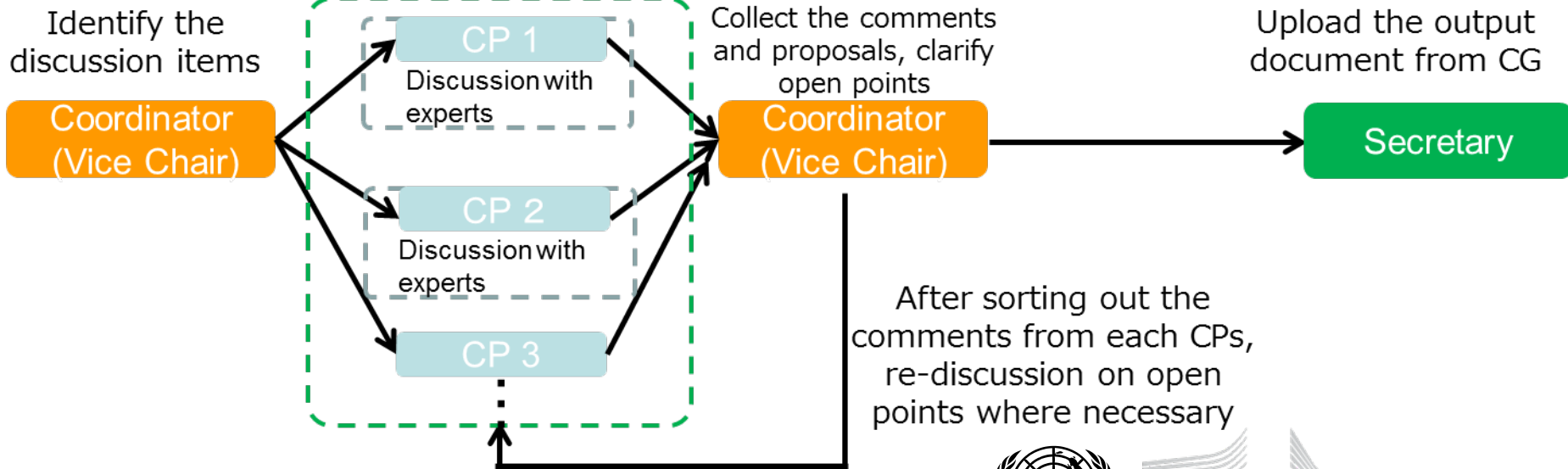


Next steps

❑ OBD 2

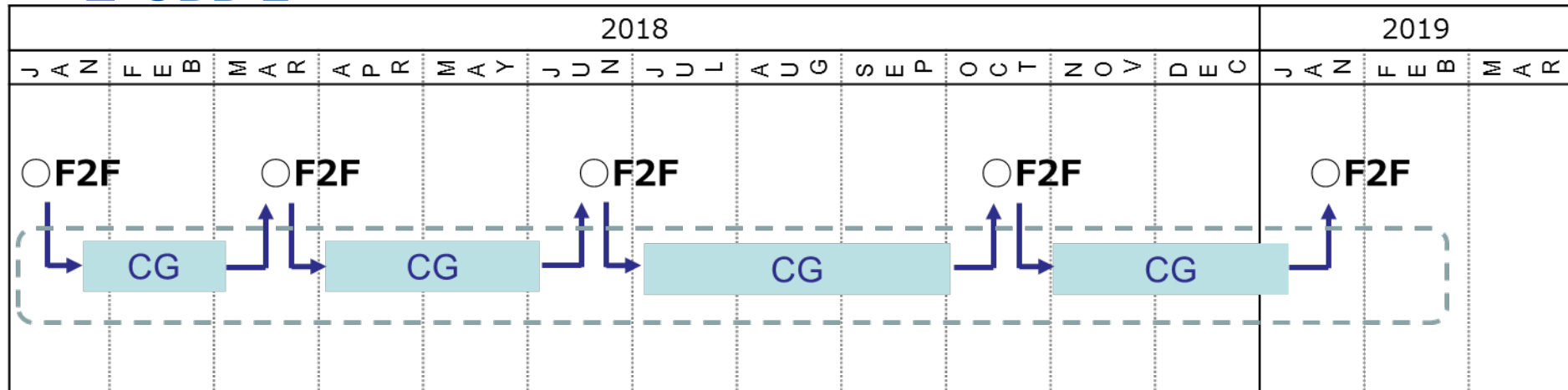
- ✓ Start full work on this item from beginning 2018 (agreed by all parties)
- ✓ Correspondence Group:
 - Vice-chair: Mr MATSUKAWA

Correspondence Group



Next steps

□ OBD 2



✓ Final responsibility of the work and the submission of Informal/Working documents is the EPPR IWG

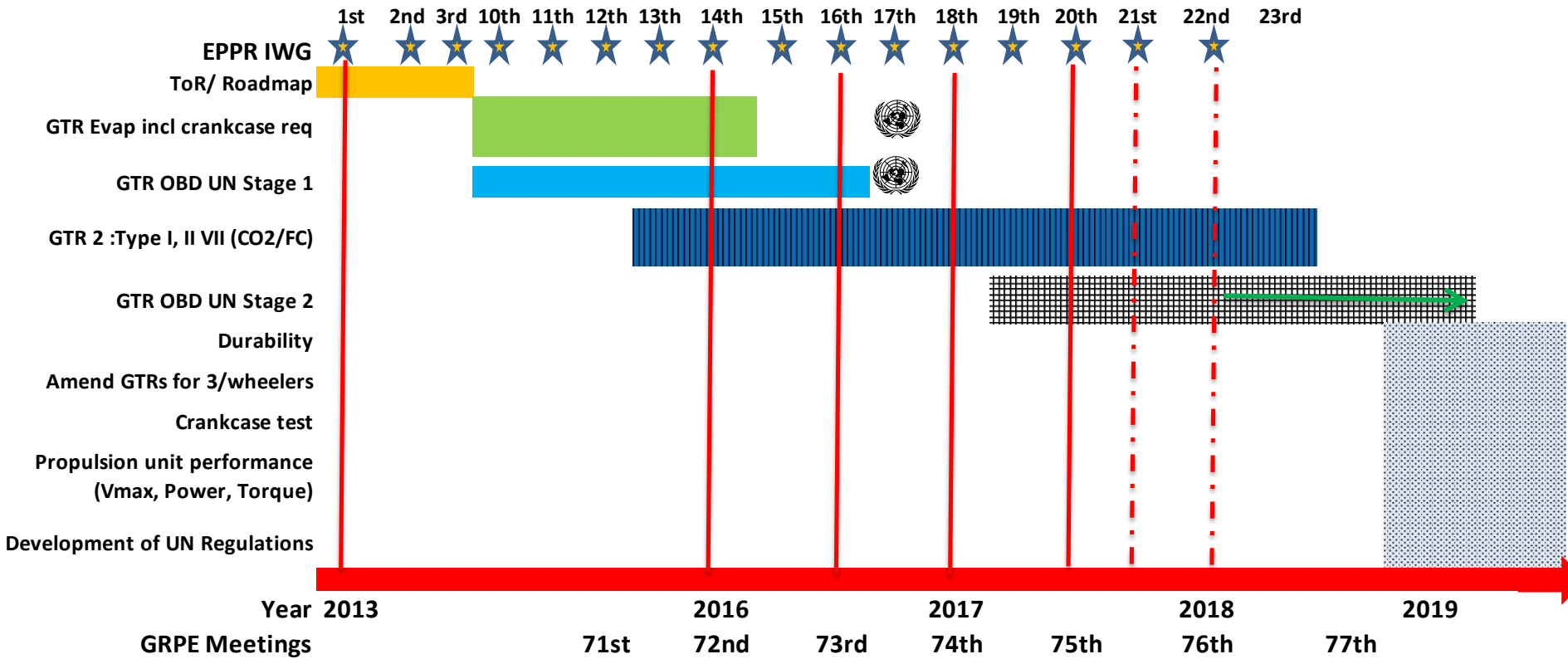
□ Durability (?)


□ Propulsion Unit Performance

□ GTRs to be transposed into UN Regulations (?)



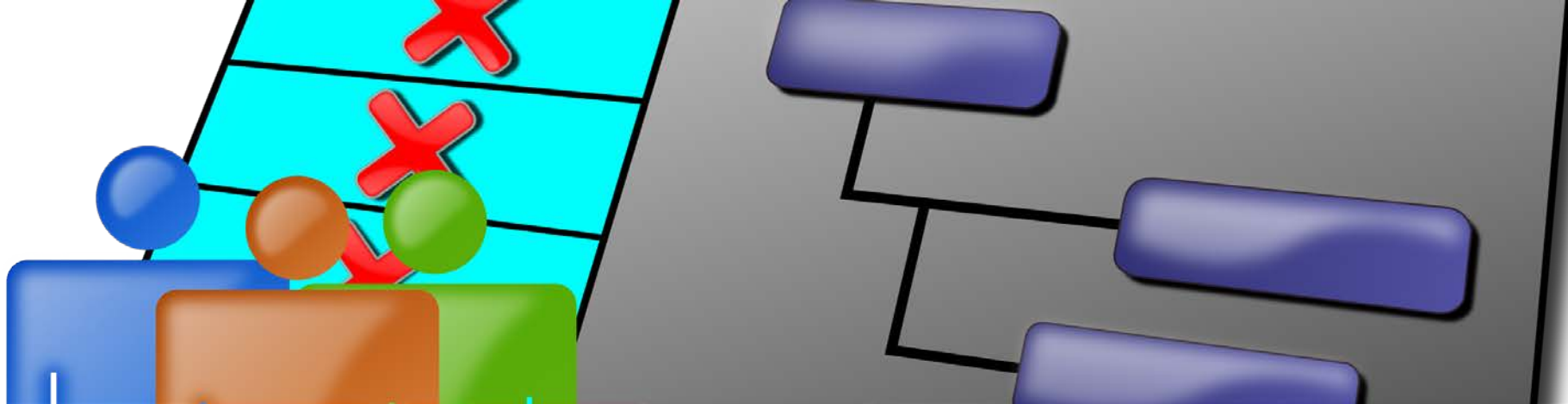
EPPR Roadmap



 GTR approved by WP29/AC2



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Meetings

Past Meetings	Next Meetings
<p>18th meeting in Geneva, 9 Jan 2017 (GTR2/OBD2) 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) 21st meeting in Spain,17-18 October 2017 (GTR2) audio-web conference, 22 Nov 2017(GTR 2)</p>	<p>22nd meeting in Geneva,10 Jan 2018 (GTR2) audio-web conference, Feb 2017(GTR2/OBD2) 23rd meeting in India, 21-23 March 2018 (GTR2/OBD2) audio-web conference, May 2018(GTR 2/OBD2) 24th meeting in Geneva, June 2017 (GTR2/OBD2) 25th meeting in Korea (tbc), Oct.2017 (GTR2/OBD2) 26th meeting in Geneva, Jan 2018 (GTR2/OBD2)</p>





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