

Joint Research Centre

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*Serving society
Stimulating innovation
Supporting legislation*

UNECE IWG on EPPR for L-category vehicles

Status Report

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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**



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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)



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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.
- GTR17**
- GTR2**
- GTR18**

➤ 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.





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 [GENERAL REQUIREMENTS TEST TYPE I & TEST TYPE II]



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Progress of OBD2 Correspondence Group

I. Statement of technical rationale and justification		Phase 1	Phase 2
A.	Introduction		
B.	Procedural background and future development of the gtr		
C.	Existing regulations, directives and international voluntary standards		Yes
D.	Discussion of the issues addressed by the gtr		

Progress percentage;90%
(open item;1)

Progress percentage;90%
(open item;1)

II. Text of the global technical regulation		Phase 1	Phase 2
1.	Purpose	Yes	
2.	Scope and application	Yes	
3.	Definitions	Yes	
4.	List of acronyms and symbols		Yes
5.	General requirements	Yes	

Progress percentage;0%
(Wait for India's proposal)

Progress percentage;65%
(open item;8)

Annexes		Phase 1	Phase 2
1.	Functional aspects of On-Board Diagnostic (OBD) systems	Yes Except for IUPR and access to OBD information	Yes Only for IUPR and access to OBD information
2.	Minimum monitoring requirements for electric circuit diagnostics	Yes	
3.	In-use performance ratio		
4.	Selecting criteria for vehicles with respect to in use performance ratios		Yes
5.	On-board diagnostics family for IUPR		Yes
6.	Test type VIII requirements: OBD environmental tests	Yes	
7.	Propulsion unit family definition with regard to on-board diagnostics	Yes	
8.	Administrative provisions		Yes

Progress percentage;90%
(open item;2)

Regarding Point 6&7 list of the Type VIII tests will be verified for its scope and completion in time schedule by India.

Assignments by July 10th, 2018

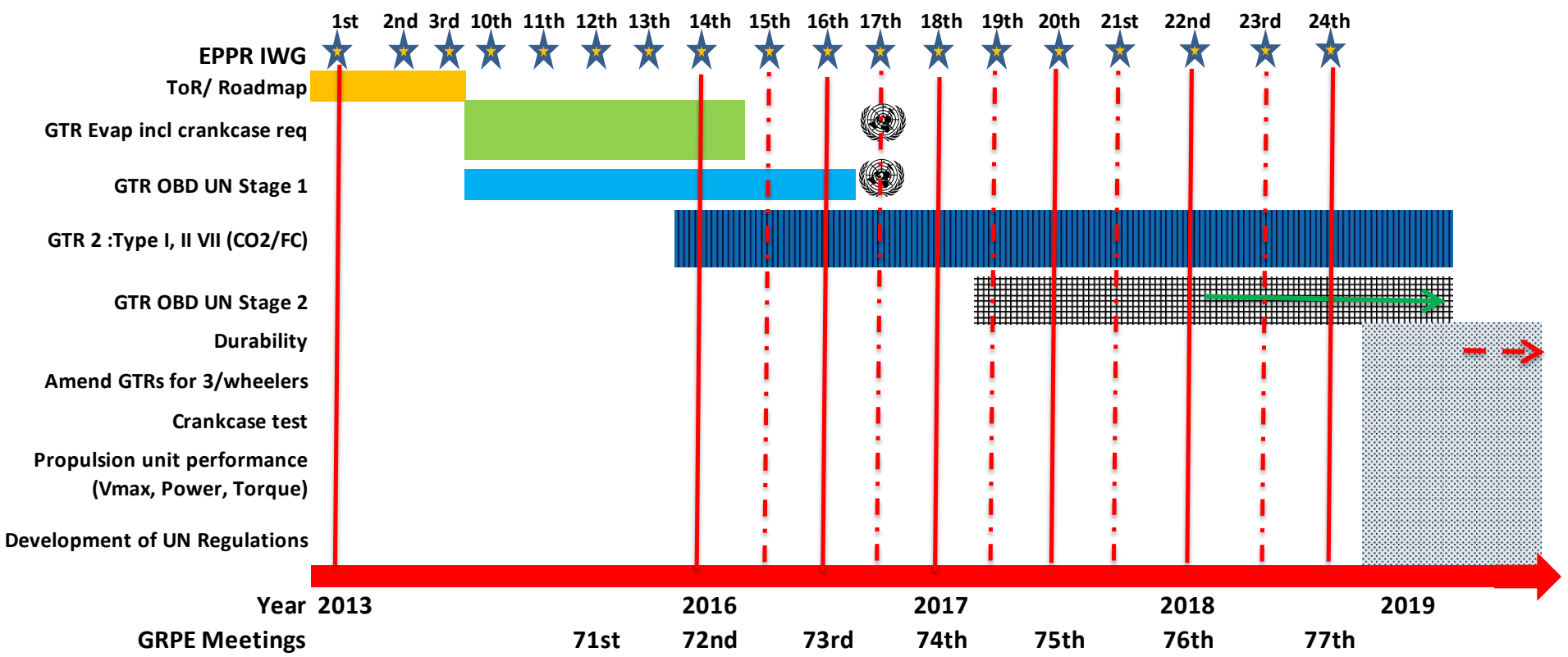
By July 10th, representatives of each stakeholder coordinate opinion within the members of stakeholder and notify Vice-Chair of concrete proposal.

- Red frame item (limited to open item)
- Blue frame item

II. Text of the global technical regulation		Phase 1	Phase 2
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2.	Scope and application	Yes	
3.	Definitions	Yes	
4.	List of acronyms and symbols		Yes
5.	General requirements (Up to 5.3.11.2)	Yes	(From 5.3.11.2)

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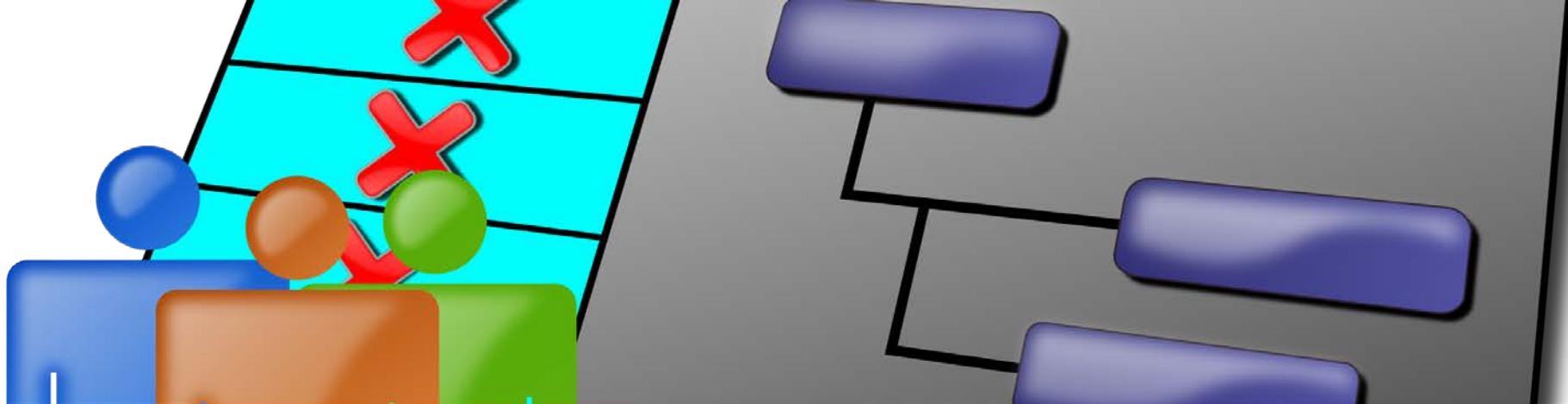
EPPR Roadmap



 GTR approved by WP29/AC2



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Meetings

Past Meetings	Next Meetings
<p>Audio-web conference, May 2017(GTR 2)</p> <p>20th meeting in Geneva, June 2017 (GTR2)</p> <p>21st meeting in Spain,17-18 October 2017 (GTR2)</p> <p>Audio-web conference, 22 Nov 2017(GTR 2)</p> <p>22nd meeting in Geneva,10 Jan 2018 (GTR2)</p> <p>Audio-web conference, Feb 2017(GTR2/OBD2)</p> <p>23rd meeting in India, 21-23 March 2018 (GTR2/OB</p>	<p>24th meeting in Geneva, June 2017 (GTR2/OBD2)</p> <p>Audio-web conference OBD2 August 2018</p> <p>Audio-web conference, Sept. 2018 (GTR2)</p> <p>OBD2 audio-web conference, Sept. 2018</p> <p>25th meeting in Korea (tbc), Oct.2017 (GTR2/OBD2) *</p> <p>Audio-web conference, 22 Nov 2017(GTR 2)</p> <p>26th meeting in Geneva, Jan 2018 (GTR2/OBD2)</p>

* *Deadline to provide a Working Document to the GRPE Secretariat*



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