Informal document GRPE-75-24 75th GRPE, 6-9 June 2017, Agenda item 9(b)

Joint Research Centre

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UNECE IWG on EPPR for L-category vehicles



State of play

Adolfo Perujo Chairman IWG EPPR (L-cat)





Outline

- ✓ Background
- ✓ State of play
 - GTR on Evaporative and Crankcase emissions
 - GTR on OBD-1
 - GTR2
- √ Request for clarification
- √ 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)





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.









Evaporative and Crankcase emissions

√ 8 March 2017 (ECE/TRANS/180/Add.17)

Global Registry

Created on 18 November 2004, pursuant to Article 6 of the Agreement concerning the establishing of global technical regulations for wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles (ECE/TRANS/132 and Corr.1) done at Geneva on 25 June 1998

Addendum 17: Global technical regulation No. 17

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

Established in the Global Registry on 17 November 2016

ECE TRANS/180/Add 17

8 March 2017

Global Registry

Created on 18 November 2004, pursuant to Article 6 of the Agreement concerning the establishing of global technical regulations for wheeled rehicles, equipment and parts which can be first and/or be used on wheeled vehicles (ECE/TRANS/132 and Corr.1) done at Geneva on 2.5 June 1998

Addendum 17: Global technical regulation No. 17

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

Emblished in the Global Registry on 17 November 2016



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OBD-I

□ 8 March 2017 (ECE/TRANS/180/Add.18)

Global Registry

Created on 18 November 2004, pursuant to Article 6 of the Agreement concerning the establishing of global technical regulations for wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles (ECE/TRANS/132 and Corr.1) done at Geneva on 25 June 1998

Addendum 18: Global technical regulation No. 18

Global technical regulation on the measurement procedure for two- or three-wheeled motor vehicles with regard to <u>on-board diagnostics</u>

Established in the Global Registry on 17 November 2016











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
- □ Intentions to present an informal documents to GRPE (January 2018)





Request for clarification

Temperature units

- Kelvin or °C
- If Kelvin then 273.15 or 273.2 = 0°C



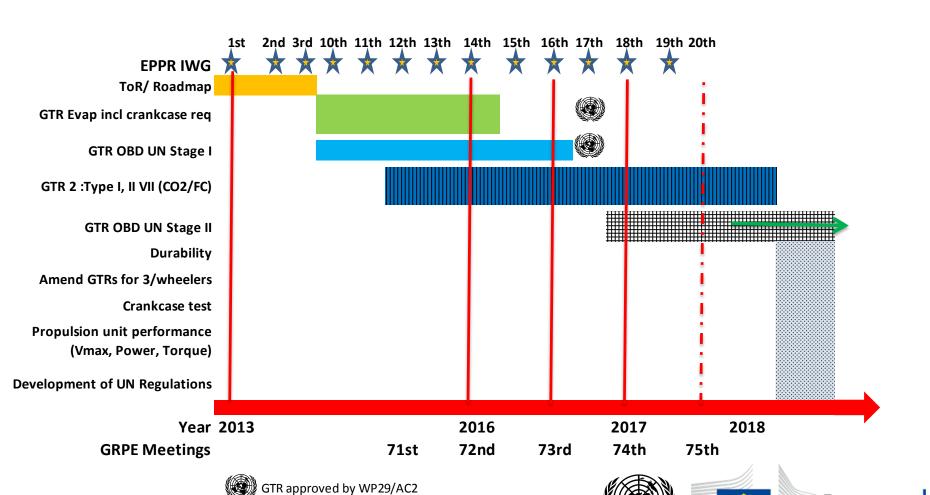


Next steps

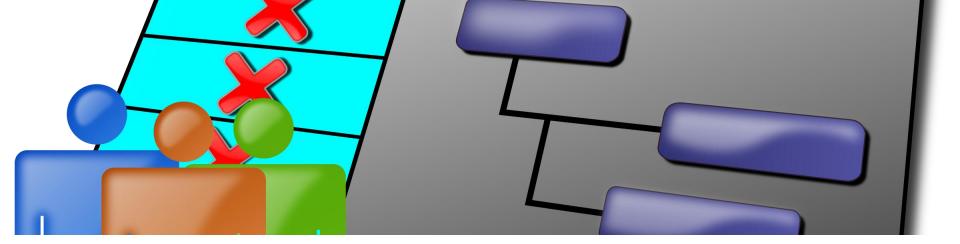
- √ OBD 2
 - ✓ Start full work on this item from beginning 2018 (agreed by all parties)
- ✓ Durability (?)
- √ GTRs to be transposed into UN Regulations (?)
- ✓



EPPR Roadmap



European Commission



Meetings

Past Meetings	Next Meetings
18th meeting in Geneva, 9 Jan 2017 (GTR2-OBD2)	20th meeting in Geneva, June 2017 (GTR2) *
audio-web conference, 10 Feb 2017(GTR 2)	audio-web conference, July 2017(GTR 2)
19th meeting in Japan, March 2017 (GTR2)	21st meeting,October 2017 (GTR2)
audio-web conference, May 2017(GTR 2)	audio-web conference, Nov 2017(GTR 2)
	audio-web conference, Dec 2017(GTR 2)
	21st meeting in Geneva, January 2018 (GTR2)







