

# UNECE IWG on EPPR for L-category vehicles

*State of play*



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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

&

OBD 2

### ➤ 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 - Completed

- 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 this GRPE session for information to the CP and stake holders**



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# GTR2 - Outlook

**Working document will be submitted for consideration to the 79<sup>th</sup> GRPE session.**



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# OBD 2

- The work of the OBD 2 (amendment to GTR 18) has two phases

<b>I. Statement of technical rationale and justification</b>		Part 1	Part 2
A.	Introduction		Yes
B.	Procedural background and future development of the gtr		Yes
C.	Existing regulations, directives and international voluntary standards		Yes
D.	Discussion of the issues addressed by the gtr		Yes
<b>II. Text of the global technical regulation</b>		Part 1	Part 2
1.	Purpose	Yes	
2.	Scope and application	Yes	
3.	Definitions	Yes	
4.	List of acronyms and symbols		Yes
5.	General requirements	Yes	
<b>Annexes</b>		Part 1	Part 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		Yes
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



# OBD 2 -Status

## 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;100%  
(open item;0)

Progress percentage;100%  
(open item;0)

## 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		
5.	General requirements	Yes	

Progress percentage;90%  
(open item;7)

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(open item;7)

## Annexes

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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		
6.	Test type VIII requirements: OBD environmental tests	Yes	
7.	Propulsion unit family definition with regard to on-board diagnostics	Yes	
8.	Administrative provisions		

Progress percentage;95%  
(open item;1)

Progress percentage;90%  
(open item;3)

Progress percentage;95%  
(open item;2)

Progress percentage;90%  
(open item;1)



# OBD 2 - Outlook

- **OBD2 GTR Phase 1 to be approved by EPPR IWG in March (2019)**
- **OBD2 GTR Phase 1 informal document to be submitted at 79th GRPE session (May 2019)**



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# Meetings

- Combination of TELCO and F2F meeting
- Last f2f:
  - 8/01/2019 (OBD 2)
  - 9/01/2019 (General EPPR)

28-30 Jan and 12-15 Feb	2 telcos to be scheduled
19-22 Feb	OBD2 8 <sup>th</sup> (EPPR) meeting in Ispra
25 Feb – 15 March (TBD)	Additional Telco for OBD2
19-22 or 26-29 March	EPPR 27 <sup>th</sup> meeting and OBD2 9 <sup>th</sup> meeting (TBD)
21-24 May	GRPE session







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