

# State of play UNECE IWG on Environmental and Propulsion Performance Requirements for L- category vehicles (EPPR)

- Practical: past and next meetings
- Areas of work
- State of play
  - GTR on Evaporative and Crankcase emissions
  - GTR on OBD-I
  - GTR2
- Roadmap

## Past meetings

- 9th meeting in Geneva, 12+13 Jan 2015 (AM)
  - audio-web conference, 03 Feb 2015
  - 10th meeting in Brussels, 18-20 March 2015
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## Next meetings

- audio-web conference, 23 April 2015
- audio-web conference, 22 May 2015
- 11th meeting in Geneva, 9 Jun 2015

## Areas of work

- The main activities are proposed to be focussing on revising or establishing the following subjects:
  - **Type I: Tailpipe emissions test after cold start;** PRIORITY
  - Type II: Tailpipe emissions test at (increased) idle / free acceleration;
  - Type III: Emission test of crankcase gases;
  - **Type IV: Evaporative emissions test;** PRIORITY
  - Type V: Durability testing of pollution control devices;
  - Type VII: Measurement of CO<sub>2</sub> emissions, fuel consumption, electric energy consumption and electric range determination;
  - **Type VIII: On-board diagnostics environmental verification tests.** PRIORITY
  - 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.

## State of play

# Evaporative and Crankcase emissions

- EPPR-10-14 = working draft GTR version 5 = EPPR group document based on proposal by the EC and amendments proposed by other stakeholders
- Open Issues (1):
  - Scope definition:
    - India proposal to refer to SR1
    - Inclusion 3 wheelers?
  - Crankcase – confirm revised text
  - Test fuel: regional choice for the GTR; UNR: ?
  - Usage of wording ‘useful life’
  - Temperature indication in °C, as in WLTP – confirm revised draft
  - SHED:
    - Fixed DF, pending final confirmation Japan

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# Evaporative and Crankcase emissions

- Open Issues (2):
  - SHED:
    - ...
    - Bench ageing test procedure:
      - Carbon canister ageing procedure B as proposed by JPN to be confirmed and number of cycles to be defined.
    - Ageing test procedure of control valves, cables and linkages
  - Family definition
    - Tank and fuel hose material (IND)
    - Fuel storage volume
    - Fuel storage relief valve

## State of play

### OBD-I

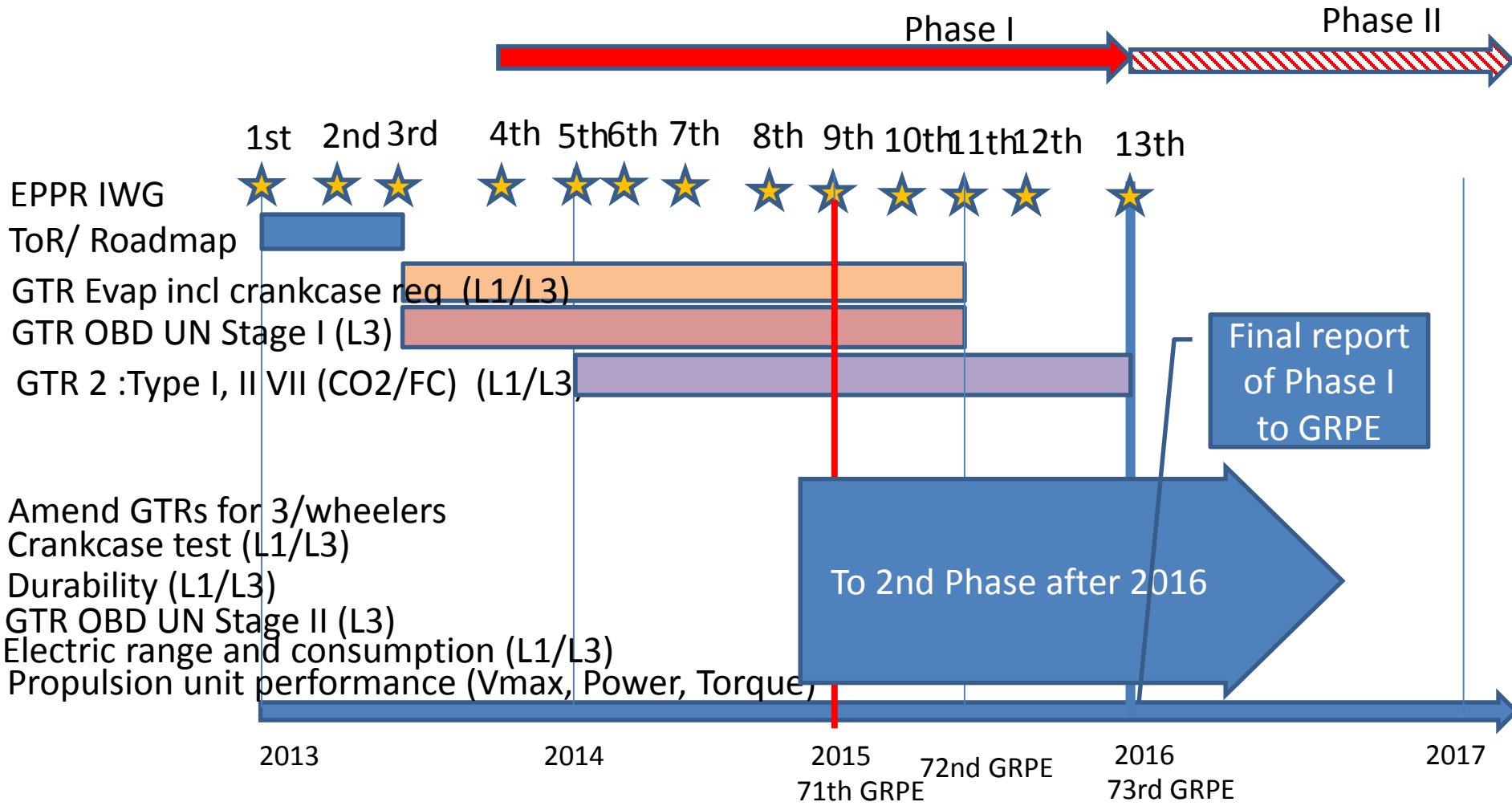
- EPPR-10-17 = working draft GTR version 2 = EPPR group document based on proposal by the EC and amendments proposed by other stakeholders (mainly Japan)
- Open Issues:
  - Japan (EPPR-09-13):
    - Scope definition: description of SR1
    - MI activation criteria (regional choice) - Consistency of text
    - objective of OBD is environmental protection
    - Access to OBD information:
      - Delete description of reprogramming
    - Etc.
  - India: Questions and reservation of Part B.3 (Optional environmental OBD test)

## State of play

### GTR2

- EPPR-08-05 = proposal EC
- Identification of differences with current GTR2
- Extensive document → split the work
  - 1<sup>st</sup> part to be reviewed by next meeting

# EPPR Roadmap



**Extension of EPPR mandate beyond 2016 drafted**



Web page for the EPPR IWG:

<https://www2.unece.org/wiki/pages/viewpage.action?pageId=5800520>

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