# WLTP Overall Status and Schedule as of January 2019

**Items**

- **GRPE Meeting**
- **WLTP IWG Activities**
- **UNR**
- **GTR #15**
- **GTR #19**
- **NEW GTR**
- **Cycle**
- **Supplemental Test**
- **Evapo.**
- **Durability**
- **OBD**
- **COP**
- **ISC**

## Status Overview

- **ON GOING**
- **Waiting**
- **COMPLETED**

### WLTP IWG Activities

<table>
<thead>
<tr>
<th>Activities</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
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### UNR

- **Typel & IV**
- **Durability, COP**

### GTR #15

- **Amendment**
  - WD** *) will be combined into 2018 WD

### GTR #19

- **Amendment**
  - WD** *) will be combined into 2018 WD

### NEW GTR

- **Low Temp, OBD, others**

### Cycle

- **Classification**
  - HEV System Power
- **Gear Shift**
  - WD** *) will be combined into 2018 WD
- **Trace Indices**
  - WD

### Supplemental Test

- **Low Temp**
- **MAC**
- **Crankcase & Idle**

### Evapo.

- **ICE**
- **Battery**

### Durability

- **ICE**
  - Collaborate with UNR TF
- **Battery**
  - Waiting for EVE outcome

### OBD

- **start activities, if CP requests**

### COP

- **collaborate with UNR TF**

### ISC

- **start activities, if CP requests**

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**Legend**

- **ID**: Informal Document
- **WD**: Working Document

**Note**

- *): will be combined into 2018 WD
### WLTP Overall Status and Schedule as of January 2019

**ID**: Informal Document  
**WD**: Working Document  
**WLTP-25-02e_rev1**

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>STATUS</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
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<td>ON GOING</td>
<td>Waiting</td>
<td>COMPLETED</td>
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<td>start activities, if CP requests</td>
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#### New Open Issues

- **Family definition**
- **Dual-axis dyno.**
- **Improvement of R/L determination**
  - a. Position of payload
    - WD** *) will be combined into 2018 WD
  - b. Wind Speed Criteria
  - c. Split run
  - d. Rovable Aero Parts
    - Active Aero Dynamic
  - e. EV warm-up for coasting down
  - f. Chassis dynamometer load setting
  - g. ambient temp. 5C and more
  - h. CFD
  - i. Run-in for EVs
- **Wind Tunnel Methods**
  - i. Min and Max measurement point
  - ii. Wind tunnel criteria (facility spec)
  - iii. # of measurement points
  - iv. facility approval and homologation test procedure
  - v. \(\Delta c_d\) for \(V_{ind}\)
  - vi. Wind tunnel for RL matrix
  - vii. RL Matrix definition precision
- **Exhaust Gas Dilution System**
<table>
<thead>
<tr>
<th>ITEMS</th>
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<th>2017</th>
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<th>2019</th>
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<tbody>
<tr>
<td>Time accuracy of dynamometer</td>
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<td>Interpolation Methods (Tyre RRC)</td>
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<td>Interpolation Methods (others)</td>
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<td>I 3g/km extension</td>
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<td>II Apply Vehicle, M to ICE</td>
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<td>III Full load curve</td>
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<td>IV Set Minimum Range</td>
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<td>V Increase Individual CO2</td>
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<td>VI adjusted $f_{1,L}$ and/or $f_{2,L}$ are bigger than $f_{0,H}$ and/or $f_{2,H}$?</td>
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<td>REESS charge method</td>
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<td>Measurement of oil and coolant temperature</td>
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<td>I.5% span gas for low concentration</td>
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