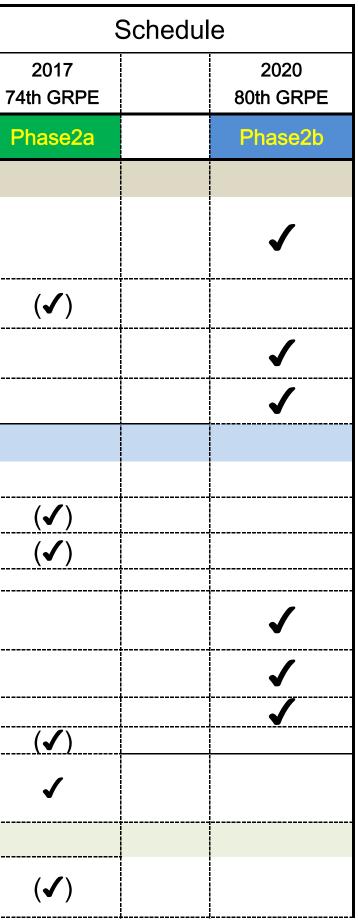
WLTP Phase2 Working Items and Schedule

note) Completion timing of Phase2a may have a chance to be shifted based on each item progress

| Working Items | | | | | | | | |
|----------------------|------------------------------------|-----------|--|--|---------------------------|------|--|--|
| Sub-C Task | secondary category | | brief description | remark | collaboration with EVE | 7 | | |
| gtr | amendment | | | | | | | |
| CYC | CYCLE TF | | | | | | | |
| | Classification&Gear shift | Annex1&2 | downscale/gear shift per system power of HEV | | ✓ Germany/ Korea | | | |
| | Power to mass ratio n_min_drive | Annex1&2 | Definition of mass VCC proposal for n_min_drive | carryover from Phase1b | | | | |
| | Normalization | Annex7 | mainly ICE (remaining item) | ICE vehicles : completed by EU Electrified vehicle : JAPAN will | | | | |
| | Drive Index | Annex6 | Collaborate with "Normalization" | re-visit necessity of trace index when apply normalization | | | | |
| Supplemental Test TF | | | | | | | | |
| | Boundary Conditions | Annex6 | | | | | | |
| | Low & Realistic Winter Temp | | correction of R/L and fuel | Option | | | | |
| | High Altitude | | specification | | | | | |
| | Auxiliary Devices | Annex6 | | 1 | | | | |
| | MAC | | vehcile test ? Component evaluation ? Simplified test ? | | | | | |
| | others | | vehcile test ? Component evaluation ? Simplified test ? | Electrified vehicle : JAPAN will lead | | | | |
| | Eco-Innovation | new Annex | | i.e. sailing | | | | |
| | Crankcase & Idle Emissions | new Annex | | | | | | |
| EVA | P TF | new Annex | | strong desire to develop gtr by 74th GRPE | | | | |
| Dura | ability TF | new Annex | | | | | | |
| | ICE | | pollutants only (rapid aging method) | | | | | |



| HEV & PEV OBD TF new Annex | | | pollutants and CO2/FC/Range (study on battery durability) | | ✓ | |
|----------------------------|---|------------|--|------------------------------------|---|--|
| | | | | | | |
| In Service TF new Annex | | | | | | |
| | R/L | | COP & ISC | bland new | | |
| | Pollutants | | | same requirement as current ? | | |
| | CO2/FC/Range | | | bland new | | |
| E-Lab. S | E-Lab. SG | | | | | |
| | Classification&Gear shift | Annex1&2 | method of HEV system power | | 1 | |
| | Normalization | Annex7 | HEV study and methodology should be completed | | | |
| | Supplemental Test (low temp./high | Annex8 | | apply to EVs ? or not ? | | |
| | <u>(low temp./high</u> Supplemental Test (auxiliarv device) | Annex8 | vehcile test ? Component evaluation ? Simplified test ? | effect on EVs parameter | 1 | |
| | Post processing | Annex7&8 | | carryover from Phase1b | | |
| | Durability | new Annex | pollutants and CO2/FC/Range (study on battery durability) | | 1 | |
| | OBD | new Annex | EV Unique issues | take care of unique EVs items only | | |
| | FCV | Annex8 | OVC-FCV Flow Method | ACEA needs | | |
| Carryov | er from Phase1b | | | | | |
| | Defear Device | Definition | | handled by Leading Team | | |
| | Annex4 items | Annex4 | refer to WLTP-13-04e | | | |
| | Additional Pollutant | Annex5 | refer to WLTP-13-04e | | | |
| | dual-axis roller usage | Annex4 | | | | |
| | feedback from RRT | all | | | | |

