

| WLTP E-Lab. SG OIL |              |                                     |   | WLTP-SG-EV-07-03rev1   |
|--------------------|--------------|-------------------------------------|---|--|
|                    | Annex        | Section                             | brief description   | JAPAN position<br>(as of 2nd MAR 2015)   |
| 1b_1               | main part    | 3.3.14                              | make definition more clear  | follow VPSD discussion   |
| 2                  | main part    | 5.6.1.                              | CO2 family definition   | keep previous proposal with slight improvement (NV ratio for CVT/HEV)<br>refer WLTP-SG-EV-06-05  |
| 3                  | 1            | 7.1.                                | Adaption to electrified vehicles  | Keep current gtr (no classification /manufacture recommend shift)  |
| 50                 | 8            | 1.                                  | RCB correction application  | Develop factor under warm-up condition : ACCEPT<br>Apply same factor within family : waiting for additional data provided by ACEA  |
| 51                 | 8            | 3.2.4.2.2.<br>3.2.5.2.1<br>3.4.2.1. | mode selectable switch  | keep previous proposal<br>refer WLTP-SG-EV-07-09   |
| 52                 | 8            | 3.4.2.3.1.4.                        | End of EV range criteria <- WLTC <sub>city</sub> only for lower maximum speed | Allow downscale method based on motor peak power and capped speed (minimum capped speed is 120km/h)  |
| 53                 | 8            | 3.5. NEW ?                          | FCV test procedure  | Keep previous proposal (apply gravimetric or pressure method. Not allow flow method due to insufficient validation at this stage)  |
| 54                 | 8            | 4.1.1.1.<br>4.1.1.3.                | Necessity of this section   | DONE   |
| 55                 | 8            | 4.2.<br>4.3.                        | Phase specific calculation formula including CD/CS combined value             | How to treat the vehicle without complete CD cycle?<br>1. conduct each phase test or derivate by calculation to obtain phase specific value (at the same time, R <sub>CD</sub> A calculation of whole cycle formula -4.4.1.4.- shall be modified)<br>2. As an option, allow to conduct testing according to Annex6 (CS mode only and RCB compensation by Willans factor) |
| 56                 | 8            | 4.4.2.2.                            | combined approach for Evs   | Validation of phase specific : as long as Vehicle_H&L data is available, it's quite straight forward method, no need to validate (already mentioned during 6th meeting, refer WLTP-SG-EV-06-05)  |
| 57                 | 8            | Appendix 5                          | Utility Factor  | DONE   |
| 58                 | 8            | Appendix 6                          | PEV shorten test procedure  | Support shorten test procedure for PEV range measurement (refer the WLTP-SG-EV-07-11)  |
| 60                 | complete gtr | ALL                                 | editorial changes, general review<br>insert Phase1b works                     | on going   |
| P2_1               | General      | all                                 | make a decision of Phase2 working items                                       |  |