



European
Automobile
Manufacturers
Association

Low Temperature Test for EVs

ACEA WLTP EV Feedback

WLTP SG EV MEETING, 18.10.2017

WEB-AUDIO-CONFERENCE

ACEA WLTP EV Group



LOW TEMPERATURE TEST FOR EVS

Feedback ACEA WLTP EV Group

Current situation concerning the test for pollutant emission

- EC position (see last Low Temp TF meeting in @JRC_Ispra/Italy)
 - Low temperature set point: -7°C
 - Cycle: WLTC
 - Pollutants (and CO₂): THC, CO, NO_x, PN, CO₂
 - R/L: determined at -7°C or 10% reduction of coast-down time
 - Auxiliary devices: heating, defrost, lights ON
- JP position (see last IWG WLTP meeting in Seoul/Korea)
 - Low temperature set point: -2°C
 - Concerning the other topics besides low temperature set point: JP is still in internal discussion, no position circulated yet

Current situation concerning range/consumption for customer information

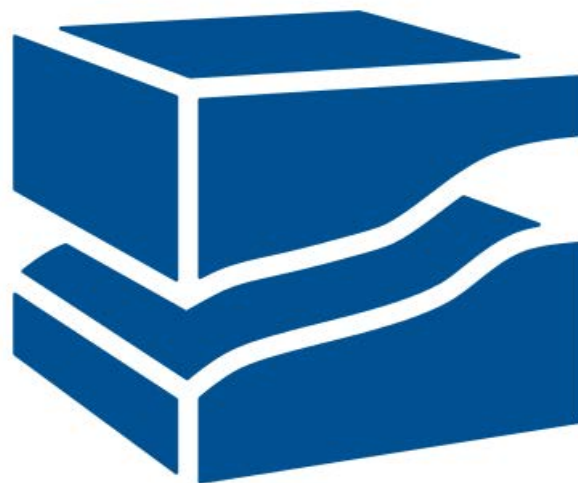
- EC position: open for discussion concerning temperature set for customer information
- JP is still in internal discussion, no position circulated yet

LOW TEMPERATURE TEST FOR EVS

Feedback ACEA WLTP EV Group

ACEA WLTP EV feedback based on the current available information

- Emission testing:
 - Two separate low temperature set point for emission testing (EC: -7°C , JP: -2°C) are raising the testing burden
 - ➔ need for harmonization between the CPs (clear request from manufacturer's side)
- Range and consumption determination as customer information:
 - Option 1: range and consumption value determination at the same low temperature set point than emission testing
 - ==> Worst case values which may not reflect customer behaviour
 - ==> But: only one additional low temperature set point
 - Option 2: range and consumption value determination at a different low temperature set point than emission testing
 - ==> Values which reflect a realistic and representative customer behaviour
 - ==> But: two additional low temperature set points



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THANK YOU
FOR YOUR
ATTENTION

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