Working Paper No. **WLTP-08-02-rev3e**
(8th WLTP IWG meeting, 17. & 18.-20.11.2014)

AGENDA

of the 8th WLTP IWG Meeting

Location: Pune, INDIA

Time: 17.11.2014 (agenda item 4), 18. – 20.11.2014

Please note:

The meeting of WLTP Subgroup EV is scheduled on November 17th. Since most of the IWG experts are already present, WLTP IWG will already conclude on the EV issues on 17th.

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1. Welcome & organization

2. Adoption of agenda & minutes

- Minutes 7th IWG meeting (WLTP-07-18e)

3. Open Issues Table

- Update since 7th IWG meeting (WLTP-08-03e)

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Monday, 17.11.2014:

4. WLTP Subgroup EV (Annex 8)

- Agenda and working documents WLTP-SG-EV-06-02 / ... / -06-12 of WLTP Subgroup EV are uploaded to the UN website:
  https://www2.unece.org/wiki/display/trans/6th+Meeting+of+Sub+Group+EV
- Proposals for **adoption**:
  # 03: system power determination
  (# 52: End of test criteria)
- Outcome of Annex 8 drafting meeting and agreement on further proceeding
  → Discussion in connection with agenda item 11 (definitions & drafting issues)

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5. Main part & Cycle issues (Annex 1 & 2)

Downscaling / gearshifting (OIL #4-9):

- Proposals for **adoption**:
  - # 05: Modifications of the calculation parameter/coefficients r0, a1 and b1 (WLTP-08-10e)
  - # 06: Annex 2, section 2, use of the gearbox, required data (WLTP-08-11e, WLTP-08-12e)
    - Section 2 required data, bullet point (e) text amendment for clarity reasons
    - Definition of nmax
    - Pnormwot(nnorm i, j) --> Pwot(ni, j)
    - Add requirements, how to deal with vehicles with a two range transmission (low and high).
  - # 06: Annex 2, sections 3.2 and 3.3 (WLTP-08-13e, WLTP-08-13e_annex)
    - More precise text
    - Add the possibility to apply an additional safety margin
  - # 06: Revised text for annex 2 with requirements for deceleration phases (WLTP-08-14e /-14e_clean)
  - # 08: Annex 2, section 4b (WLTP-08-15e)
    - Proposal to replace 3 s rule by 2 s rule
  - # 09: Gearshift family criteria, delete this issue from the list. (WLTP-08-16e)

- Proposals for discussion:
  - # 06: Annex 2, section 2, use of the gearbox, required data
  - definition of nmin_drive (WLTP-08-11e)
  - exclusion of auxiliary gears (WLTP-08-12e)

6. RLD & dyno setting (Annex 4)

- Progress report (WLTP-08-17e) on RLD issues (#10 – 21) by Rob Cuelenaere, incl. outcome of validation exercises, # 11: onboard anemometry / wind conditions, # 13-15: torque meter method
- Starting note on tyre selection by K. Steininger (WLTP-08-18e)
- Initial proposals for discussions:

  # 1b_2: Road Load Family
  - Concept and validation (WLTP-08-19e)
  - Initial draft (WLTP-08-20e)

  # 10: Wind tunnel for combined approach
  - Alternative delta CD*A determination by BMW (WLTP-08-21e)

  # 18: Wind tunnel method as alternative RLD method
  - Status report by BMW (WLTP-08-22e)
  - Comparison results by UTAC (WLTP-08-23e)
  - Requirements for flat belt by VW (WLTP-08-24e)
  - Initial gtr draft (WLTP-08-25e)

  # 17: Default road load parameters
  - Hybrid approach (incl. extension of scope) by NL (WLTP-08-26e)
  - Feedback note by ACEA (WLTP-08-27e)

- Proposals for **adoption**:

  # 12, 21: Reference speed points (WLTP-08-28e)

  # 19: Alternative warm up by T. Fujiwara (WLTP-08-29e)

7. Test equipment and calibrations (Annex 5)

- 4WD dyno specifications (OIT #23):
  Proposal (WLTP-08-05) by T. Fujiwara
- OIT # 24-26: starting note by Th. Adam (WLTP-08-30e)

8. Test procedure and conditions (Annex 6)

- Number of tests (OIL #27):

  - Proposal (WLTP-08-31e) by T. Fujiwara

  - Proposal (WLTP-08-43e) by EU

  - Positions from CPs (EU, India, Japan, ...) on possible controversial aspects, e.g. safety margin, test repetition.

- Provisions for Coasting (OIL #31):

  - Progress report by T. Vogel (WLTP-08-32e)

  - **Decision** on further proceeding (continue work or close issue, if concerns by CPs cannot be addressed sufficiently)

- Handling of Ki-Approach (OIL#34 – 38)

  Proposal for **adoption** by N. Ichikawa (WLTP-08-33e)

- Clarification on temperature provisions (soak / type 1 test), (WLTP-08-34e)

- Brief oral reports on other OIL items

  (especially on issues with proposals expected for meeting #9)

9. Calculations (Annex 7)

- Willans factors for petrol (E10) & diesel (B7) (OIT #42):

  Proposal by Th. Adam (WLTP-08-06e)

- FC calculations (OIT #43):

  Proposal for **adoption** by Th. Adam (WLTP-08-07e)

- FC interpolation method (OIT #47):

  Proposal by Th. Adam (WLTP-08-08e)

- Calculation of CO2 value for an individual vehicle (OIT #49):

  Proposal by M. Bergmann (WLTP-08-35e)

- Additional pollutants (OIL # 44–46):

  - Progress report by C. Astorga (WLTP-08-36e)

  - Feedback on open points in Annex 5+7 to Drafting Coordinator by C. Astorga

10. Normalization procedures (OIL #48)

- Final report of TUG / TNO (WLTP-08-37e)

- Position paper by EU-COM (WLTP-08-38e) and **decisions** on
  - package of procedures
  - work plan (road map)
  - necessary validations
- Driving trace index (OIL #41):
  Feedback from parties regarding status of validation

11. General issues

- System equivalency, Annex 9 (OIT #59)
  Starting note by Konrad Kolesa (WLTP-08-09e)
- Round Robin exercises:
  - Brief oral reports by B. Coleman & N. Ichikawa.
  - Comments by Korea (WLTP-08-44e)
- Definitions
  - Gtr 15 definitions by Bill Coleman (WLTP-08-39e, WLTP-08-45)
  - Discussion on open issues and decision on further proceeding
- Drafting issues
  - Report by S. Dubuc (WLTP-08-40e)
  - Current gtr draft (WLTP-08-04-rev1e)
  - Brief introduction of new Expert Proposals to be adopted by written procedure
  - Open points from DC

12. Working Issues for WLTP Phase 2

- Starting note by K. Kobayashi (WLTP-08-41e, WLTP-08-41e_annex)
- EV issues of WLTP Phase 2 & 3 by K. Steininger (WLTP-08-42e)

13. Meeting schedule

- 9th WLTP IWG Meeting, January 2015 (Geneva, 14.01.2015, full day)
- 10th WLTP IWG Meeting, April 2015 (**Sweden**, calendar week 16)
- 11th WLTP IWG Meeting, June 2015 (Geneva, preceding GRPE)
- 12th WLTP IWG Meeting, September 2015 (**Japan**, date t.b.d.)

14. AoB

Status of Fuel Efficiency Policy in Korea (WLTP-08-44e)