
WLTP UNR Development (based on WLTP-28-09e)

Proposals in discussion within WLTP Sub Group EV – Revision 7





Proposals for amendment

Update/amendment to include extrapolation for PEVs, define interpolation range for PEVs

Intention of the proposal:

- No extrapolation defined for PEVs, no interpolation range defined for PEVs
- Proposal adds this option and shall define value up for interpolation and extrapolation range

Feedback during meeting on October 16th:

- Support on the concept but still for discussion required on the values “minimum interpolation range”, “maximum interpolation range”, “maximum allowed extrapolation range”; also on the question if the vehicle M concept shall also be applicable for PEVs
- Therefore decision: text to be inserted in working document of UNR WLTP but in square brackets
- SG EV will prepare an informal document for January addressing all open questions

Updated version and draft text included in document: [191016 Extrapolation OVC-HEV interpolation extrapolation PEV.docx](#)

Conclusion with WLTP SG EV after web-audio on October 16th, 2019:

- Supported and shall go into UNR WLTP first edition
- Shall go into UNR WLTP first edition, but in square brackets (“[...]”)
- For the moment, proposal in Square brackets; active feedback until October 21st required to remove “[...]”
- Not supported at the current stage, put on hold for a later stage



Proposals for amendment

Adding a procedure for OVC-FCHVs

Intention of the proposal:

- No procedure in GTR describes how to test an OVC-FCHV; proposal is adding the text portions which are describing this procedure
- OVC-FCHV procedure is based on the procedure for OVC-HEVs, replacing CO₂ by H₂

Feedback during meeting on October 16th:

- Manufacturer stated that the proposed concept is not touching the reference method and candidate method approach which is already in force in GTR#15. This will not be addressed in this proposal
- JPN supports concept but states that it is too premature to incorporate it into UNR WLTP first edition (especially still concerns regarding accuracy of H₂ flowmeter measurement)
- EC supports the proposal but also needs further internal discussion
- Final feedback of EC and JPN shall be provided by October 21st
- ACEA EV members requested to provide more evidence and data, bilateral exchange possible:
[Further justification H2 measurement GTR 15 Annex 8 - Appendix 7 OVC-FCHV.pdf](#)
- Proposal will be put in square brackets and depending on feedback removed or kept or content within square brackets removed

Latest version: [191021 Proposal OVC FCHVs updated draft.docx](#); [190611 Test procedure for OVC-FCHV's explanation slides.pdf](#)

Conclusion with WLTP SG EV after web-audio on October 16th, 2019:

- Supported and shall go into UNR WLTP first edition
- Shall go into UNR WLTP first edition, but in square brackets (“[...]”)
- For the moment, proposal in Square brackets; active feedback until October 21st required to remove “[...]”
- Not supported at the current stage, put on hold for a later stage



Proposals for amendment

Adding a definition for NOVC-FCHVs and OVC-FCHVs*

Intention of proposal:

- No definition in GTR for NOVC-FCHVs and OVC-FCHVs*
- Proposal is adding these definitions which are at least required for NOVC-FCHVs which are already in the GTR

Feedback during meeting on October 16th :

- JPN supports the proposal to add the definition(s)
- EC supports the proposal to add the definition(s)
- Both definitions shall go in the UNR WLTP but the definition for OVC-FCHVs in square brackets

Latest version: [191021 Proposal OVC FCHVs updated draft.docx](#); [190611 Test procedure for OVC-FCHV's explanation slides.pdf](#)

* Definition for OVC-FCHVs only required if procedure for these vehicles is going into the UN R WLTP

Conclusion with WLTP SG EV after web-audio on October 16th, 2019:

- * Supported and shall go into UNR WLTP first edition
- Shall go into UNR WLTP first edition, but in square brackets (“[...]”)
- For the moment, proposal in Square brackets; active feedback until October 21st required to remove “[...]”
- Not supported at the current stage, put on hold for a later stage