

31 st WLTP Sub Group EV Meeting	
Date	7 January 2020
Time	9:00 to 12:00 CET (SG EV) 12:00 to 13:00 CET (Low Temp drafting in conjunction with LowT TF)
Title	31 st WLTP Sub Group EV Meeting – Minutes
Location	Web-Audio

0	Revision & adoption of meeting minutes & agenda
	<ul style="list-style-type: none"> - Meeting minutes of web-audio on 11 December 2019 01 WLTP SG EV Minutes 11 December 2019.pdf → Adopted - Adoption of this agenda → Adopted
1	UNR WLTP Informal Documents
	<p>IWG on WLTP Proposal for a new 00 series of amendments: ECE/TRANS/WP.29/GRPE/2020/3</p> <p>IWG on WLTP Proposal for a new 01 series of amendments: ECE/TRANS/WP.29/GRPE/2020/4</p> <p><u>Discussion points</u> <i>Input SG EV for Transposition TF, i.e. UNR WLTP informal documents.</i></p> <p>UNR WLTP 00 and 01 series – Updated square bracket summary: 200102 - Square bracket summary for UNR WLTP 00 and 01 series.docx</p> <p>(1) Final decision to include OVC-FCHV for level 1A → No objections were received from EU member states so far. It was indicated that any comments would need to be addressed by the next Transposition TF meeting on 9 January 2020. Without objections until then, this can be included for level 1A.</p> <p>(2) Interpolation method for NOVC-FCHV → JPN: not able to accept interpolation method for NOVC-HEV at this moment (time constraints), but open to look at specific interpolation family criteria for NOVC-/OVC-FCHV. It might be beneficial to apply existing HEV family criteria of parts of it. A decision needs to be taken next Monday in the WLTP IWG meeting. → EC: agrees with JPN position; if there is no clear proposal by this Thursday (UNR Transposition TF web-audio), it will not be possible to take this on board for next week's WLTP IWG. It is advised to link any proposal to existing HEV family criteria principles. → ACEA EV will try to provide a proposal for interpolation family criteria by this Thursday (UNR Transposition TF web-audio).</p>

	<p>(3) Document containing NOVC-FCHV related updates only 191219 ECE-TRANS-WP29-GRPE-2020-03e NOVC-FCHV only.docx → Homework for ACEA EV out of last SG EV web-audio (11.12.2019) → Requested for the case that only NOVC-FCHVs will be integrated into UNR to support the work of the drafting coordinator</p> <p>(4) FCHV specific interpolation family criteria for NOVC-/OVC-FCHV → Treated under (2).</p> <p>(5) Declared number of cycles in CD mode for OVC-HEV a. Declared number of cycles in CD mode for OVC-HEVs.pdf b. Alternative solution without adding a new declared value for this rare case: ACEA EV Proposal Inconsistency at expected number of cycles in CD mode for OVC-HEVs.docx → EC: not top priority; it is suggested to postpone this introduction. → JPN: not discussed, but also seen as low priority. This issue can be negotiated with the technical service at this stage and could be taken on board for discussion at a later stage.</p> <p>(6) JPN proposals related to EV 191212 - 00 series UNR WLTP Informal JPN CAL.docx → An overview was provided by JPN for abovementioned document: WLTP-29-05e Appendix03 for SG EV.xlsx It describes all modifications of current parameter calculations in the post-processing tables. → The modifications need to be checked by SG EV members and feedback to be given until this Thursday (UNR Transposition TF web-audio).</p> <p><u>Further documents</u> All related documents of the UNR Transposition TF can be found in the UNECE wiki area: https://wiki.unece.org/display/trans/13+-+Pre-80th+GRPE+updates</p>
2	WLTP Low Temp Test Procedure Development for EVs: inputs
	<p>EC's proposal on Low Temp test procedure for OVC-HEV 2020 01 07 OVC-HEV procedure proposal JRC.pdf</p> <p>Ricardo Suarez (JRC) presented and explained the proposal from the European Commission (DG GROW and JRC) that integrates the aspects from ACEA's proposal that were considered appropriate for a robust procedure (comparable to Type 1) with the initial JRC proposal (presented in 2017) for OVC-HEV. In tests at the JRC, there were no issues encountered with the break-off criteria REEC < 4%. Therefore, it was suggested to keep this in line with the Type 1 test.</p> <p>→ The group was asked to provide feedback and/or prepare additional questions for the web-audio of the WLTP LowT TF in conjunction with SG EV on 10 January 2020.</p> <p>No further updates available from ACEA EV on their proposal for this meeting but anticipated for the next week's face-2-face meeting in Geneva (tbc).</p> <p>Any additional inputs/proposals from other SG EV members are welcome. Members are asked to indicate that to the SG EV leading team so a time slot for a presentation can be reserved.</p>

3	WLTP Low Temp Test Procedure Development for EVs: discussion on open items
	<p><u>Overview of open items</u> Latest status on topics "Under Discussion": See document <i>WLTP_Low_Temp_TF_Status_list_v2019-12-18.xlsx</i> on UNECE wiki https://wiki.unece.org/display/trans/Optional+annex+Low+T+--+Drafting</p>
4	Next meetings (WLTP calendar)
11:50	<p><u>WLTP LowT TF in conjunction with SG EV – web-audio in January 2020:</u> 10 January 2020, 09:00 to 11:00 CET Web-Audio-data: https://ecwacs.webex.com/meet/mastorga-llorens</p> <p><u>Topics:</u></p> <ul style="list-style-type: none"> - Discussion and drafting of text proposals for Low Temp Optional Annex in GTR#15, i.e. informal document for GTR#15 Amd#6 <p><u>WLTP SG EV Face-to-face meeting in January 2020 (32nd Subgroup EV Meeting):</u> 14 January 2020, 09:30 to 12:30 CET Geneva, Palais des Nations, Room IX (room overview: GRPE-80-01-Rev.2)</p> <p><u>Topics:</u></p> <ul style="list-style-type: none"> - Further discussion and conclusion of SG EV input for Low Temp Optional Annex in GTR#15, i.e. working document for GTR#15 Amd#6 (WD-Deadline: 17 March 2020) <ul style="list-style-type: none"> o Procedure(s) / flow diagrams for NOVC-/OVC-HEV & PEV o Family concept development <p><u>Next WLTP SG EV web-audios in Q1 2020 (after GRPE-80):</u> 27 January 2020 / 5 February 2020 / 13 February 2020 / 4 March 2020 / 11 March 2020 (each from 09:00 to 12:00 CET)</p>
5	AOB (part SG EV)

6	WLTP Low Temp Test Procedure Development: drafting in conjunction with LowT TF
12:00	<p>Since topics for Low Temp test procedure development of SG EV and LowT TF are merging more and more, a joint Low Temp drafting session was proposed by the LowT TF chair.</p> <p>Rob Gardner (DC) guided through the working draft of the Low Temp Optional Annex of GTR#15 where all text non-related to Low Temp was removed for clarity reasons. All conclusions and comments of this drafting session are reflected in the latest document version (see link below).</p>

	<p>Related to EC’s proposal on Low Temp test procedure for OVC-HEV (see agenda point 2) it was agreed that drafting preparation work should go on despite the lack of final agreement on all aspects of the test procedure.</p> <p>Due to time constraints, a similar approach was envisioned regarding Low Temp test procedure for PEV, as explained in the SG EV drafting group kick-off meeting on 3 December 2019. Sam Tripathy (Renault) on behalf of the SG EV PEV drafting volunteers presented a first version of a working overview (PEV & Hybrid drafting V2) identifying sections of GTR#15 Annex 8 specific to PEV which need modifications for Low Temp.</p> <p>Latest version of the Low Temp Optional Annex of GTR#15 working draft as well as the overview of open items (Excel list) can be found in the WLTP SG EV wiki area: https://wiki.unece.org/display/trans/Optional+annex+Low+T+-+Drafting</p>
7	AOB (part Low Temp drafting session)
