

<b>WLTP Sub Group EV</b>	
<b>Date</b>	18 <sup>th</sup> of October 2017
<b>Time</b>	9:30 to 12:30 CET
<b>Title</b>	WLTP Sub Group EV Meeting — minutes

## Minutes

<b>0</b>	<b>Review of meeting minutes from the last web-audio meeting on August 29<sup>th</sup>, 2017</b>	
	Meeting minutes circulated by Per Öhlund on September 11th.	
<p><u>Revision and adoption of meeting minutes (last meeting):</u></p> <ul style="list-style-type: none"> <li>- Most likely: Prolongation of TF Low Temp</li> <li>- JP is missing one item which was proposed by UTAC during WLTP IWG meeting in Seoul/Korea: warm up procedure for coast down procedure of PEV with low range</li> <li>- JP supports UTAC proposal but should also be agreed within SG EV.</li> <li>- If any member of SG EV has a concern and does have a counter proposal, this can be stated until one week before next SG EV meeting</li> <li>- Otherwise SG EV support UTAC proposal.</li> </ul> <p><u>Task from this meeting:</u></p> <ul style="list-style-type: none"> <li>- To be clarified with UTAC: Unclear meaning of the wording “warm up phase” in the UTAC proposal, SG EV leading team will ask UTAC for clarification</li> <li>- Amendment to proposal will be circulated eventual to SG EV as soon as available.</li> </ul>		
<b>1</b>	<b>Low Temperature Test Procedure</b>	
	Feedback from Low Temp TF and IWG WLTP meeting concerning the temperature for emission evaluation	WLTP-SG-EV-19-04
	- EU: -7°C - JP: -2°C	
	Feedback from Seoul meeting (IWG WLTP) concerning the temperature for the customer information (range, CO <sub>2</sub> )	
	- Open	
	Feedback from Low Temp TF and IWG WLTP meeting concerning the purpose of each value:	
	- EU: range, CO <sub>2</sub> , FC → customer information - Other CPs: open	
	Feedback from IWG WLTP meeting concerning the time line of the Low Temp discussion:	
	- Low Temp TF needs to be extended for at least one more year for completion	
	<b>Task for this meeting:</b> Further discussion of possible approaches concerning the determination of low temperature values	

	<ul style="list-style-type: none"> <li>- Physical test procedure</li> <li>- Empiric simulation approach</li> <li>- De-Rating factor for Type 1 test values</li> </ul> <p>Next Low Temp TF web-audios: October 27th, November 17th</p>	
<p><u>Summary:</u></p> <ul style="list-style-type: none"> <li>- <i>Feedback from EU and JP with different request for set point temperature for emission evaluation: -7°C (EU) and -2°C (JP)</i></li> <li>- <i>EC</i> <ul style="list-style-type: none"> <li>▪ <i>clear that also PN and NOx will have to be included</i></li> <li>▪ <i>EC also requests CO<sub>2</sub> and fuel consumption at low temperature as introduced at last TF Low Temp meeting</i></li> <li>▪ <i>EC request consumption and range for customer information,</i></li> <li>▪ <i>JRC explains that discussion of the limits is not in the scope of Low Temp TF</i></li> </ul> </li> <li>- <i>Remark: At low temperature not same limit as for type 1 test. Clear that it is not same limit and that this limit will have to be determined later. JRC explains that discussion of the limits is not in the scope of TF Low Temp.</i></li> <li>- <i>Regarding customer information: low temperature set point still open.</i></li> <li>- <i>JP</i> <ul style="list-style-type: none"> <li>▪ <i>JP will provide position most likely at the TF Low Temp meeting @EMPA</i></li> </ul> </li> <li>- <i>Request for prolongation of the work of TF Low Temp will be raised at next GRPE</i></li> <li>- <i>ACEA WLTP EV group requests a harmonization on the low temperature set point for the emission evaluation.</i></li> <li>- <i>Both ACEA WLTP EV and JAMA are still in internal discussions whether one set point for both fuel consumption, CO<sub>2</sub> and range would be the preferred path to reduce test burden or to have next to the emission temperature set point an additional temperature set point for customer information; requirements and needs from CPs would deliver a clearer guidance on the way forward</i></li> </ul> <p><u>Tasks out of this meeting:</u></p> <ul style="list-style-type: none"> <li>- Input for next Low Temp TF: <ul style="list-style-type: none"> <li>▪ WLTP SG EV will continue working on the topic and provide and discuss proposals in upcoming meetings</li> <li>▪ Clearer guidance needed concerning the low temperature set point for customer information; harmonization requested concerning the low temperature set point for the emission evaluation</li> </ul> </li> <li>- WLTP SG EV will discuss new proposal from its members as soon as available</li> </ul>		
<b>2</b>	<b>Input for EVE: Battery Performance and Durability</b>	
	<b>Task for this meeting:</b>	WLTP-SG-EV-19-05

	<ul style="list-style-type: none"> <li>- Discussion of feedback to IWG EVE on their request on durability requirements for electrified vehicles</li> <li>- Input available from JP and EC but EC still under discussion, update will be provided for this SG EV meeting</li> <li>- Next IWG EVE meeting will be on October 25th/26th, therefore input/feedback has to be provided</li> </ul>	
<p><u>Summary:</u></p> <ul style="list-style-type: none"> <li>- EC feedback on EVE durability requirement matrix (presented by JRC) is still under discussion/revision, update will be presented next week in EVE in Vienna</li> <li>- Separate feedback from CP (EU, JP); no common position among CPs in WLTP as feedback available for IWG EVE meeting next week in Vienna</li> <li>- Feedback from ACEA WLTP EV group: ACEA WLTP EV group proposes to set durability requirements which are then being checked by in-service conformity</li> <li>- JP stated that durability also needs to be checked during type approval.</li> <li>- No conclusion of WLTP SG EV can be given to EVE IWG group next week, but CP individual position can be provided and presented.</li> </ul> <p><u>Tasks out of this meeting:</u></p> <ul style="list-style-type: none"> <li>- Input for next Low Temp TF: <ul style="list-style-type: none"> <li>▪ No agreed position of WLTP SG EV group is available at the moment</li> <li>▪ During next week's IWG EVE meeting, individual positions from CPs can be provided and presented</li> </ul> </li> </ul>		
<b>3</b>	<b>Run-In for PEVs and NOVC-FCHVs</b>	
	<p><b>Task for this meeting:</b> Further discussion based on the last SG EV meeting</p>	WLTP-SG-EV-19-03
<p><u>Summary:</u></p> <ul style="list-style-type: none"> <li>- Need to discuss proposal for amendment of GTR as GTR needs to be in line with the common understanding within WLTP SG EV</li> <li>- Currently discussion of a proposal within ACEA WLTP EV group but in general supports the principal concern regarding this issue</li> </ul> <p><u>Tasks out of this meeting:</u></p> <ul style="list-style-type: none"> <li>- Continue discussion in next meeting</li> </ul>		
<b>4</b>	<b>Charging (Annex 8 Appendix 4)</b>	
	<p><b>Task for this meeting:</b> Introduced in last meeting, further discussions in this SG EV meeting if possible</p>	

Summary:

- Discussion of proposal within ACEA WLTP EV group
- Discussion on going within ACEA WLTP EV group
- No new information at this WLTP SG EV meeting

Tasks out of this meeting:

- Continue discussion in upcoming meeting if new information available

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**AOB**

Scheduling of the next SG EV meeting:  
Week of November 13Th?

Conclusion:

- Next WLTP SG EV web/audio: 14<sup>th</sup> of November, 09:00-11:00 CET