

<b>40<sup>th</sup> WLTP Sub Group EV in conjunction with 41<sup>st</sup> LowT TF Meeting</b>	
<b>Date</b>	8 April 2020
<b>Time</b>	9:00 to 12:00 CEST 9:00 to 10:00 CEST: <b>part LowT TF</b> 10:00 to 12:00 CEST: <b>part SG EV</b>
<b>Title</b>	40 <sup>th</sup> WLTP Sub Group EV / 41 <sup>st</sup> LowT TF Meeting – Agenda ( <b>SG EV in conjunction with LowT TF</b> )
<b>Location</b>	Web-Audio connection: <a href="https://ecwacs.webex.com/meet/sporsti-ronnberg">https://ecwacs.webex.com/meet/sporsti-ronnberg</a>

<b>0</b>	<b>Revision &amp; adoption of meeting minutes &amp; agenda</b>
	<ul style="list-style-type: none"> <li>- Meeting minutes of web-audio meeting on 2 April 2020 (SG EV)</li> <li>- Adoption of this agenda</li> </ul>
<b>1</b>	<b>GTR#15 Amd#6 WD: LowT TF square brackets topics (Low Temp)</b>
	<p style="text-align: center;"><b>--- Part LowT TF ---</b></p> <p><u>Conclusion on square bracket topics in GTR#15 Amd#6 WD related to Low Temp Working Document for GTR No. 15 Amendment 6 (document with track changes)</u> <a href="#">ECE-TRANS-WP29-GRPE-2020-14e Track.docx</a></p> <p>An overview list of the remaining square bracket topics now being in the working document (WD) for GTR No. 15 Amendment 6 related to Low Temp, is given in the following document (pure ICE vehicle’s topics are labelled “ICE_#”):</p> <p><i>Overview table of square bracket topics of GTR#15 Amd#6 WD</i> The latest document <b>20xxyy_Status Square bracket topics_Amd#6 WD.xlsx</b> can be found in the UNECE wiki area: <a href="#">Optional annex Low T - Drafting</a></p> <p>→ LowT TF members are asked to use the sheet named “Input from ...” of this overview table to prepare their input, comments and proposals for upcoming web-audio meetings.</p> <p style="text-align: center;"><b>--- END Part LowT TF ---</b></p>
<b>2</b>	<b>GTR#15 Amd#6 WD: SG EV square brackets topics (Low Temp)</b>
	<p><u>Conclusion on square bracket topics in GTR#15 Amd#6 WD related to Low Temp Working Document for GTR No. 15 Amendment 6 (document with track changes)</u> <a href="#">ECE-TRANS-WP29-GRPE-2020-14e Track.docx</a></p> <p>An overview list of the remaining square bracket topics now being in the working document (WD) for GTR No. 15 Amendment 6 related to Low Temp, is given in the following document (topics are labelled “EV_LT_#”):</p> <p><i>Overview table of square bracket topics of GTR#15 Amd#6 WD</i> The latest document <b>20xxyy_Status Square bracket topics_Amd#6 WD.xlsx</b> can be found in the UNECE wiki area: <a href="#">Optional annex Low T - Drafting</a></p>

	<p>→ SG EV members are asked to use the sheet named “Input from ...” of this overview table to prepare their input, comments and proposals for upcoming web-audio meetings.</p>
<b>3</b>	<p><b>GTR#15 Amd#6 WD: PEV family concepts</b></p> <p><u>Family concept for PEV</u></p> <p>Family concept development for PEV is related to topic “EV_LT_2”, as well as topics “EV_LT_17” (PER calculation) and “EV_LT_18” (EC calculation), see overview table in document <b>20xxyy_Status Square bracket topics_Amd#6 WD.xlsx</b> to be found in the UNECE wiki area: <a href="#">Optional annex Low T - Drafting</a></p> <p>Apart from discussing UBE (ratio) families, the vehicle selection in the context of family definitions also needs to be discussed.</p>
<b>4</b>	<p><b>GTR#15 Amd#6 WD: SG EV square brackets topics (non Low Temp)</b></p> <p><u>Conclusion on square bracket topics in GTR#15 Amd#6 WD not related to Low Temp Working Document for GTR No. 15 Amendment 6 (document with track changes)</u>  <a href="#">ECE-TRANS-WP29-GRPE-2020-14e Track.docx</a></p> <p><i>Overview presentation of square bracket topics to be agreed upon (slides 2 to 5)</i>  <a href="#">200402 Overview square brackets SG EV GTR15Amd6 rev2.pdf</a></p> <p><i>Overview table of square bracket topics of GTR#15 Amd#6 WD (topics A to D)</i>  See overview table in document <b>20xxyy_Status Square bracket topics_Amd#6 WD.xlsx</b> to be found in the UNECE wiki area: <a href="#">Optional annex Low T - Drafting</a></p> <ol style="list-style-type: none"> <li>(1) Update/amendment of the wording of nominal voltage (<i>slide 2, topic A</i>)</li> <li>(2) Proposal 1 in the context of the CO2 correction factor application of NOVC-HEVs (<i>slide 3, topic B</i>)</li> <li>(3) Proposal 2 in the context of the CO2 correction factor application of OVC- and NOVC-HEVs (<i>slide 4, topic D</i>)</li> <li>(4) Expected number of cycles in CD mode for OVC-HEV (<i>slide 5, topic C</i>)</li> </ol>
<b>5</b>	<p><b>Future Work of LowT TF and SG EV</b></p> <p><u>Future work items after June 2020</u></p> <p>During the upcoming WLTP IWG meeting (14 to 16 April 2020), preparation of an advice to GRPE on the future of the WLTP IWG is foreseen. The SG EV leading team together with the LowT TF chair prepared an input to this discussion (list of possible work items after June 2020). Input from LowT TF and SG EV members to this list is welcome.</p> <p><a href="#">DRAFT Future Work of LowT TF and SG EV.pptx</a></p>

<b>6</b>	<b>Next meetings (<a href="#">WLTP calendar</a>)</b>
	<p><u>30<sup>th</sup> WLTP IWG meeting (web-audio):</u></p> <p>14 to 16 April 2020, (each from 08:30 to 12:30 CEST)</p> <p>→ More WLTP SG EV web-audios will be scheduled for the period after the 30<sup>th</sup> WLTP IWG meeting. SG EV leading team will propose a schedule, please indicate the planned meetings of your organization as input, if available.</p>
<b>7</b>	<b>AOB</b>
	<p><u>Final update of WLTP Low Temp TF Status list</u></p> <p><i>Overview of remaining square bracket items (status of topics)</i></p> <p>The latest document <i><a href="#">WLTP_Low_Temp_TF_Status_list_v2020-xx-yy.xlsx</a></i> can be found in the UNECE wiki area: <a href="#">Optional annex Low T - Drafting</a></p>

### Supporting Information

<b>GTR#15 Amd#6 WD: supporting information for concluding square bracket items</b>
<p><i><b>ECE/TRANS/WP.29/GRPE/2020/14</b> - Proposal for Amendment 6 to global technical regulation No. 15 (document with track changes)</i></p> <p><a href="#">ECE-TRANS-WP29-GRPE-2020-14e Track.docx</a></p> <p><i>Overview presentation of <b>Low Temp test procedure</b> for EVs - square bracket topics</i></p> <p><a href="#">200402 Square bracket topics Low Temp Test Procedure.pptx</a></p> <p><i>Overview presentation of <b>square bracket topics</b> of GTR#15 Amd#6 WD (including links to supporting documents)</i></p> <p><a href="#">200402 Overview square brackets SG EV GTR15Amd6 rev2.pdf</a></p> <p><i>Overview table of square bracket topics of GTR#15 Amd#6 WD</i></p> <p>The latest document <i><b>20xyy_Status Square bracket topics_Amd#6 WD.xlsx</b></i> can be found in the UNECE wiki area: <a href="#">Optional annex Low T - Drafting</a></p> <p><i>JPN's input for square bracket topic "EV_LT_38" (battery charging)</i></p> <p><a href="#">200327 Battery charge operation Type6.xlsx</a></p> <p><i>EC's compromise proposal for square bracket topic "EV_LT_38" (battery charging)</i></p> <p><a href="#">20200401 SGEV type 6 soak and charge procedure EC.pptx</a></p> <p><i>Excel version of EC's compromise proposal:</i></p> <p><a href="#">200402 Battery charge operation Type6 UN harmonised.xlsx</a></p> <p><i>Overview presentation of <b>test sequence</b> options</i></p> <p><a href="#">200311 Possible Low Temp Test Sequences overview rev2.pptx</a></p> <p><i>Overview of <b>required parameters</b> during Type 6 testing – consolidated document (EC's and JPN's preliminary positions)</i></p> <p><a href="#">Overview required parameter during Type 6 EC JPN prel feedback consolidated.xlsx</a></p>

*Overview of remaining square bracket items (status of topics)*

The latest document ***WLTP\_Low\_Temp\_TF\_Status\_list\_v2020-xx-yy.xlsx*** can be found in the UNECE wiki area: [Optional annex Low T - Drafting](#)

*ACEA's input for Low Temp family concept for PEV*

[PEV Low Temp Family idea ACEA EV update.pdf](#)