

28th WLTP Sub Group EV Meeting	
Date	7 November 2019
Time	9:00 to 12:00 CET
Title	28 th WLTP Sub Group EV Meeting – Minutes
Location	Web-Audio

Minutes

0	Revision & adoption of meeting minutes & agenda
	<ul style="list-style-type: none"> - Meeting minutes of web-audio on 16 October 2019 00 WLTP SG EV Minutes October 16th 2019.pdf → Adopted - Adoption of this agenda → Adopted
1	WLTP Low Temp Test Procedure Development for EVs: current status
	<p>Overview given by chairman of WLTP Sub Group EV on the discussion topics regarding test procedure within WLTP Sub Group EV and the required tasks to be completed until January 2020 GRPE → 191107 SG EV Low Temp Test Procedure for EVs.pdf</p>
2	WLTP Low Temp Test Procedure Development for EVs: input from EC
	<p>Input given by Bart Thedinga (EC) on specific aspects of the Low Temp test procedure for NOVC-/OVC-HEV and PEV:</p> <ol style="list-style-type: none"> 1. Discussion on test procedure for PEV: <ul style="list-style-type: none"> - Proposal to adapt CCP and STP for Type 6 conditions - Shortened STP seems to be too premature for the implementation into a first working document - Shortened STP has promising aspects to be discussed at a later stage - The longer testing time of CCP and STP compared to a Shortened STP could be covered by applying a wide family concept 2. Data to be provided: <ul style="list-style-type: none"> - Values to be provided at low temp → Ratio values 3. Discussion about R/L settings at -7°C <ul style="list-style-type: none"> - Presentation by Iddo Riemersma (on behalf of EC) - In the light of customer's range anxiety, an increase of road load and running resistance values by 10 per cent might not be representative for range determination - Conclusion that topic needs to be brought on Low Temp TF level and that it needs to be discussed there how to move forward → topic for New Issue TF

3	WLTP Low Temp for EVs: discussion on open items
	<p>Latest status of the discussion on topics "Under Discussion" and "Open": See document <i>WLTP_Low_Temp_TF_Status_list_v2019-11-08.xlsx</i> on UNECE wiki https://wiki.unece.org/display/trans/LowT+TF+30th+telco</p> <p>Discussion in web-audio on November 7th concerning:</p> <ul style="list-style-type: none"> - Row 98: Criteria to proceed next test (CO₂, EC, range) → SG EV conclusion on 07.11.: set to "Ready for Drafting" - Row 107: REESS conditioning (heating) - Row 109: pre HVAC - Row 110: soak duration - Row 112: define the duration between REESS charge completion and test start - Row 114: REESS temperature - Row 116: REESS compensation - Row 117: Data processing → SG EV conclusion on 07.11.: set to "Under Discussion" (see EC-input, slide 3: COM 20190917 IWG WLTP SG-EV LowT TA approach.pdf) <p>Proposals on EV Low Temp Test Procedures need to be prepared and provided by members of SG EV to the group in the next weeks.</p> <p>These proposals need to cover (if possible) all points in the Low Temp TF list. Points which are related to Auxiliary Devices (e.g. REESS heating, Pre-HVAC) need to be discussed in SG EV but then will go as input to the discussion of the Auxiliary SG.</p>
4	UNR WLTP Informal Document
	<p>UNR WLTP working documents have been submitted to UN secretariat and can be found on the UNECE server (see following links for 00 and 01 series of amendments).</p> <p>IWG on WLTP Proposal for a new 00 series of amendments: https://www.unece.org/fileadmin/DAM/trans/doc/2020/wp29grpe/ECE-TRANS-WP29-GRPE-2020-03e.docx</p> <p>IWG on WLTP Proposal for a new 01 series of amendments: https://www.unece.org/fileadmin/DAM/trans/doc/2020/wp29grpe/ECE-TRANS-WP29-GRPE-2020-04e.docx</p> <p>Subgroup EV is required to deliver input to Transposition TF for the preparation of an informal document amending the working document (see open topics presentation): 02 open topics Input SG EV UNR Development WLTP-28-09e rev7</p>

5	Next meetings
	<p>Web-audio on 26 November 2019, 09:00 to 12:00 CET (WLTP calendar)</p> <p>Topics:</p> <ul style="list-style-type: none"> - Aspects of Low Temp test procedure for NOVC-/OVC-HEV and PEV - Drafted text proposals - Discussion of input for UNR WLTP informal document
6	AOB
	<p>All relevant documents can be found on the UNECE wiki: WLTP Sub-group on Electrified Vehicle (EV) \ 28th Meeting of WLTP Sub Group EV</p>