


LowT 2019 - Minutes Telco

Date	25 Oct 2019
Title	Minutes of the 29 th Telco - Low Temperature Task Force
Document	<p>LowT 29-02 – MINUTES ¹ This document is linked to an excel file: File name:  _WLTP_Low_Temp_TF_Status_list_v2019-10-25.xlsx [*] File is loaded in CIRCA-BC as well as in the Wiki page:</p> <p>https://wiki.unece.org/display/trans/LowT+TF+29th+telco</p>

Agenda Item 1

The Chair, C. Astorga (C.A.; JRC) opened the meeting and presented the agenda. She reminded to the TF members that, from September 2019, all documents referring to the lowT TF can be found in CIRCA BC, as usual, as well as in the new Wiki page.

<https://wiki.unece.org/pages/viewpage.action?pageId=85295115>

Moreover, all files archived in “LowT TF folder CIRCA-BC” since 2017, have also been copied and loaded into that wiki page.

Minutes from the previous TF TelCo (09-09-2019) were accepted without further changes.

Chair reminded that the minutes of each telco or f2f meeting will be loaded in Wiki page & CIRCA BC only after approval.

[*] This serial number will be kept and updated by the chair of the TF following the evolution of the discussions in the TF and it will include date of modifications.

In order to track the evolution of the discussions and decisions inside the LowT TF, all excel files detailing the **Low T TF status list** will be saved and available in CIRCAC-BC and in UNECE Wiki page dedicated the LowT TF (<https://wiki.unece.org/pages/viewpage.action?pageId=85295115>)

¹ All documents mentioned in the minutes can be found at CIRCA BC under:
EUROPA > European Commission > CIRCABC > GROW > wltf > P > Low and realistic winter temperature TF
, as well as in the UNECE Wiki page: <https://wiki.unece.org/pages/viewpage.action?pageId=85295115>

Agenda item number 2

Summary & information on LowT TF progress during the WLTP meeting on the 25th of October and new the version "Open issues list" after WLTP 28th :

WLTP_Low_Temp_TF_Status_list_v2019-09-25.xlsx

<https://wiki.unece.org/display/trans/LowT+TF+28th+f2f+meeting+Bern%2C+25th+September+2019>

Agenda item number 3

Harald Kurz (HORIBA) suggested adding a temperature range (20-52 °C) for air in the dilution tunnel to avoid condensation. N.I. (JPN/JAMA/SG-EV) raised the question on where should the temperature be measured. H.K. suggested that this temperature should be measured at the dilution point. The proposal was supported by the TF members (see table below).

To the question raised by R.G. why 20°C and not 18°C? H.K. indicated that 18°C relates to the tolerances at Type 1 test (23 ±5C). H.K. also suggested that new wording is needed to refer to the sections of the dilution tunnel that are located in the cold area indicating that these sections should be heated to at least 20°C. O.B. (Volvo) suggested that this should be the temperature of the external wall of the tunnel.

N.I. pointed out that JAMA needs to internally discuss the point on the wall temperature. They will provide feedback.

Agenda item number 4

C.P. (CLEPA) presented an overview of what was discussed and agreed in the WLTP meeting in Bern last September. Then, he presented his views for activity number 2. He highlighted that all the points present in the table will be discuss with the AUX-SG. He will circulate the file and organize a WebEx trying to speed up the process to be able to cover at least Item 1 and 2.

C.P. expects feedback to the document before Nov 22nd.

N.I. indicated that JPN will discuss this topic to be ready by Nov 22nd; then, more discussion will take place in the AUX-SG.

Revision of document "status list":

File name: **WLTP_Low_Temp_TF_Status_list_v2019-10-25** (latest modifications in sheet **2019-10-25**). See table below:

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Row #	X.Y. (Speaker) Comments ²
28 & 29	R.S.B. (JRC): all CP have agreed that is. Change status to Ready for drafting.
44	R.S.B asked if there is further need for discussion of this point N.I. Japan will provide an alternative proposal
49	R.S.B. suggested addressing the condensation with the wording. The connecting tube shall satisfy the following requirements: (for the Type 6 test should read) : (a) Be less than 6.1 metres long and heated-insulated to 70 °C or higher. Its internal diameter shall not exceed 105 mm; the insulating materials shall have a thickness of at least 25 mm and thermal conductivity shall not exceed 0.1 W/m ⁻¹ K ⁻¹ at 400 °C. O.B. indicated the possibility of add a non-insulated flexible connection. P.C. indicated his preference for the current wording present in the GTR-15 C.A. invited R.S.B to coordinate a dialogue with O.B., P.C. and H.K. and to provide an agreed proposal for the next TelCo (Nov 8 th)
50	H.K. (HORIBA) Air Temperature at the dilution point must be 20 - 52C. TF Agreed. In case any part of the CVS is located in the cold ambient it must be heated to, at least, 20C. The temperature measured at the outer CVS's wall. On this second point JAMA will provide feedback. Others agreed.
68	JRC proposal addressing JPN concern on <i>forced cool down</i> . More discussion needed: vehicles with SCR cannot use forced cool down (to avoid start testing with SCR freeze). Proposal. Following the provision present in the CH/JRC proposal 03.2019 (see 2019-09-05) and considering JPN concerns, indicate, besides the CH/JRC provisions, that during forced cool down the minimum allowed exposure temperature shall be -10°C.
91	R.S.B. (JRC) TF agreed that RH measurement not needed. Therefore, NOx correction factor not needed. Agreed to change status to ready for drafting.
100	C.P. AUX SG have include the question from CH "how should be dealt with preheating from the grid?" in the new provided table.

Agenda item number 5

P.B. (Chair SG-EV) provided a state of play from the SG-EV. (Presentation available in <https://wiki.unece.org/display/trans/LowT+TF+29th+telco>)

He indicated 4 main working topics to be concluded by January 2020: Test procedure; Preconditioning; Family concept; Drafting. R.G. indicated to the Chair that drafting could be better discussed further after the Nov 8th TelCo. In the meanwhile, R.G. will check those elements that have been indicated as ready for drafting in the present TelCo.

Finally, the Telco schedule on Nov 25th has been anticipated to Nov 22nd.

² **Note:** This table is linked to an excel (live) document discussed/produced on 25 Oct 2019 during the Telco of the LowT TF (File name: **WLTP_Low_Temp_TF_Status_list_v2019-10-25**).

This serial number will be continued and updated accordingly with the evolution of the discussions, including dates of modifications.

All files will be saved and available in CIRCA BC & UNECE WIKI pages to track the evolution of the conversations and discussions inside the LowT TF.

List of participants:

Bart Thedinga (EC) B.T.

Cova Astorga (Chair) C.A.

Christophe Petitjean (CLEPA) C.P.

Elena Paffumi (JRC) E. P.

Hans Matthiasson (Volvo/OICA) H.M.

Harald Kurz (HORIBA) H. K.

Iddo Riemersma (EC) I.R.

Les Hill (Horiba) L.H.

Marcis Lakstigala (CLEPA) M.L.

Martin Rauch (CLEPA) M.R.

Martin Lange (UBA) M.L.

Matthias Nägeli (VW/ACEA-EV/SG-EV) M.N.

Noriyuki Ichikawa (JPN/JAMA/SG-EV) N.I.

Olle Berg (Volvo/OICA) O.B.

Pablo Mendoza (AECC) P.M.

Peter Bonsack (Chair SG-EV/CH) P.B.

Pierre Cagnet (PSA) P.C.

Rob Gartner (EC) R.G.

Schutze Nico (BMW) S.N.

Ricardo Suarez-Bertoa (JRC) R.S.B.

Stefano Malfettani (Renault) S.M.

Shumpei Miyazaki (JPN/MLIT) Sh.M.

Takehiro Abe (Honda) T.A.

Takahiro Haniu (JARI) T.H.

Tibor Gyoroeg (Denso)

Yacine Khellaf (ACEA) Y.K.

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EUROPEAN COMMISSION
JOINT RESEARCH CENTRE (JRC)
DIRECTORATE FOR ENERGY, TRANSPORT & CLIMATE
SUSTAINABLE TRANSPORT UNIT

29th Telco Low Temp Task force

Low Temp Task force Agenda	
Date	October 2019 Friday 25 th (9:00-11:00h)
Informal Document	Agenda Low Temp TF 2019-10-25 (Doc TF LowT 29-01)
Room link	https://ecwacs.webex.com/meet/mastorga-llorens



Time	Agenda item	Lead/ contributions	Working Document
9:00	Welcome and introduction Presentation of Agenda https://wiki.unece.org/display/trans/LowT+TF+29th+telco Lecture and approval of Minutes of 27th LowT TF telco (9 th September)	Coordinator TF / All	Agenda TF LowT 29-01 <i>(Draft doc attached mail 22/10/2019)</i> Minutes TF LowT 27-02 <i>(doc attached mail 22/10/2019)</i>
9:15	Summary & information on: LowT TF progress in WLTP 28 th (Bern -25 th of September) New version "Open issues list" after WLTP 28th WLTP_Low_Temp_TF_Status_list_v2019-09-25.xlsx https://wiki.unece.org/display/trans/LowT+TF+28th+f2f+meeting+Bem%2C+25th+September+2019	Coordinator TF / chair of EV SG	
10:00	Open points/ discussion <ul style="list-style-type: none"> • Definition of the environmental condition of the CVS in the Type 6 test • Temperature range of dilution air 	H. Kurz (Horiba)	
10:15	Update on Auxiliary devices	Ch. Retjean (CLEPA)	Document will be distributed on 24 th Oct
10:40	Starting the drafting process of the GTR 15 optional annex on Low Temperature test (when, how and who) Information on drafting group list	Coordinator/ P. Bonsack / R. Gardner	
10:50	Next Telco and meetings: revision of the dates https://wiki.unece.org/display/trans/WLTP+calendar	Coordinator TF / All	
11:00	End of the meeting		