

LowT 2019 - Minutes Telco

Date	16 May 2019
Title	Minutes of the 24th Telco - Low Temperature Task Force
Document	LowT 24-02 – MINUTES

Note: these minutes are linked to an excel file distributed after the 24th Telco of the LowT TF
File name: **WLTP_Low_Temp_TF_Status_list_v2019-05-16**

A. Marotta (A.M.; JRC) opened the meeting and indicated that he will temporary replace C. Astorga (JRC) to guarantee the continuity of the TF work. He pointed out that the telco would be managed by P. Bonsack (P.B.; CH) with the help of R. Suarez-Bertoa (RSB; JRC).

PB presented the agenda and the minutes from the previous Telco. Minutes were accepted without further comments. PB continued by sharing the document with the overall status and schedule (WLTP-26-02e). He asked if there were other comments on the current timeline. No comments were received.

M.N. (representing SG-EV) provided the following summary of the work done by the SG:

The SG-EV had a telco after the Zagreb meeting, where, among other topics, they discussed some low T related issues. There is on the table a proposal made by ACEA for the evaluation of PEV. At the moment (since Zagreb's meeting, WLTP-26) there are no modifications on that proposal. CH has made some comments to the proposal. Comments from Japan (JPN) are expected. They will arrive after the meeting in Geneva in May (WLTP-27).

As a general comment the SG-EV pointed out that they need to know, from CPs, what level of accuracy is needed for the requested parameters.

M.N. pointed out that there are no proposals for OVC-HEVs and that there is only a presentation made by JRC in 2017 for a vehicle. RSB (JRC) indicated that there is a proposal made by JRC and supported by CH, which addresses these vehicles. The SG-EV technical chair (M.N.) then clarified that indeed this is the only proposal at the moment. It was pointed out that the context for PEV and OVC should be aligned.

Regarding document (WLTP_Low_Temp_TF_Status_list_v...) M.N. indicated that until now the main focus from the group had been on fuel cells, which were agreed to be exempt at the moment and addressed on a second stage.

Norway had provided some input to the SG regarding the user scenarios. It showed the complexity of the topic.

Some points such as the use of deterioration factors, family concept, and number of vehicle will be discussed by the SG.

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Following the agenda, P.B. explained how the document with the status list has been modified from the previous version by including the comments/positions from the last meeting in Zagreb (WLTP-26). The new document, including the previous version in a separate sheet, is the excel file named WLTP_Low_Temp_TF_Status_list_v2019-04-17.

P.B. pointed out that the comments from the current telco will be included to the current document as a new excel sheet.

Revision of document

File name: **WLTP_Low_Temp_TF_Status_list_v2019-04-17**

Sheet **2019-04-17** from Row **52** to Row **91** excluding 79-82 (Test Procedure (NOVC- & OVC-HEV specifics)) and 83-87 (Auxiliary devices).

<p>Note: This table is referring to an excel (live) document discussed/produced on 16 May 2019 during the Telco (file name: WLTP_Low_Temp_TF_Status_list_v2019-05-16). This serial number will be kept, maintained, and modified accordingly with the evolution of the discussions, including dates of modification. All files will be saved and available in CIRCA to track the evolution of the conversations and discussions inside the LowT TF.</p>	
Row #	X.Y. (Speaker) Comments
52-53	Agree to change status
54	Already ready for drafting
55	N.I. JAMA same as GTR#15. JPN n.p.y. (no position yet)
56	JAMA set no criteria (option 3). JPN n.p.y. (no position yet) O.B. (Volvo) suggests option 3
57	P.B. (CH) suggested ready for drafting N.I (JPN) not ready yet RSB (JRC) it reflects the elements of the procedure and the sequence. It should not be seen as the actual and full procedure. Ready for drafting. P.B. the items will be discussed in the following rows.
58	N.I. JAMA option 1 N.I. JPN n.p.y
59	NA
60	CH suggest ready for drafting JPN and JRC agreed
61	N.I. JAMA option 1 N.I. JPN n.p.y M.M. (JPN) tolerances have to be included
62	N.I. JAMA needs to have a closer look

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	P.C. (PSA) ACEA requested to have a balanced tolerance to avoid urea freezing at -11C
63	N.I. JAMA needs to have a closer look P.C. (PSA) suggested to add in option 2 "same as UNR83"
64	N.I. JAMA same as GTR15 N.I. JPN n.p.y J.W. (Daimler) asked same mode as type 1 test or same definition as currently GTR15 for type 1 I.R. (EC) definition is clear and should not change O.B. (Volvo) requested to specify that it refers to predominant mode at -7C, in case there are different modes for different temperatures. RSB (JRC) during drafting it should be clear that the definition is the same but the predominant mode for type 6 refers to that at -7+/-3 C.
65-69	N.I. JAMA/JPN have no position yet
70	N.I. JAMA -7°C ±3 JPN n.p.y.
71	N.I. JAMA -7°C ±5 JPN n.p.y.
73	N.I. JAMA support GTR15 approach ACEA agree on GTR15 O.B. (Volvo) is this level of accuracy needed? N.I. JPN is open for discussion
74	J.W. (Daimler) point out that 10 % refers to coefficients P.C. (PSA) there might be a mix between GTR15 (coefficients) and R83 (time) P.B. (CH) the point needs to be clarified for the drafting
75-76	Agreed to set ready for drafting
77	No comment
90	O.B. (Volvo) suggested to check SAE paper for more info. RSB (JRC) and P.B (CH) pointed out that the humidity during testing is very low. That is why the group excluded the measurement of the RH during the test.
91	N.I. (JPN) requested to keep the point open P.C. (PSA) based the criteria on pollutants and select H or L and test just one to avoid burden RSB (JRC) EU and JRC has proposed to use RDE family focusing on worse case for pollutants and using this vehicle for CO2.

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	The comment was complemented by A.M. (JRC), indicating that then this vehicle could be retrieved in the interpolation family and to evaluate the % of CO2 increase.
86	P.C. (PSA) questioned the wording RSB (JRC) indicated that in fact it should indicate that the burners' emissions are addressed in UNR122 as indicated by Sweden.

All items have therefore been discussed and the TF waits for the comments from JPN and JAMA on those items that need further discussion from their side.

Point 5 in the agenda: Auxiliary devices sub-group

C.P. (CLEPA) shared some brief information on the auxiliary devices activity. The work flow and activities that will follow. He indicated that the definition of the auxiliary devices has not changed. Then he showed an example of how this work could be dealt with on the different stages of the procedure (i.e., preconditioning, charging, soaking, test). The example was a possible way to evaluate the in cabin air via HVAC blowing air.

It was indicated that there is the obvious need of a test procedure to work in detail on the inclusion of the auxiliaries in it. C.P. indicated that during June-July more work and interaction will be required and done by the people involved in this subgroup to be able to provide a global review to the full TF. In October, the proposal will then be refined.

Agenda point 6: Next TelCo & f2f meetings

Since all items of the list regarding pure ICE have been discussed and the TF needs to wait for Japan position and since the SG-EV is working on their share of the list, a TelCo will be appointed upon request from CPs or stakeholders that would like to share a proposal.

A Telco with the whole TF will be scheduled before the WLTP-28 in September. In the meantime, other telcos may take place for the drafting of the document. For this, P.B will send an email requesting the members to indicate/confirm their interest in participating in the drafting process.

P.B. (CH) and R.G. (EC) will coordinate the drafting.

R.G. suggested to request, during the next GRPE, the secretariat approval for a R83-like document that refers to GTR15. P.B. Indicated that this point, including the possibility of an optional annex, should be discussed at the WLTP-27 meeting next week (20 May 2019).

List of participants:

Alessandro Marotta (Chair ad interim) A.M.

Cecile Favre (AECC) C.F.

Christophe Petitjean (CLEPA) C.P.

Didier Robart (Delphi) D.R.

Iddo Riemersma (EC) I.R.

Jochen Wiessner (Daimler AG) J.W.

Les Hill (Horiba) L.H.

Marcis Lakstigala (CLEPA) M.L.

Martin Lange (UBA) Martin L.

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

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

Nigel Bear (Ford) N.B.

Norbert Klein (Hyundai Europe) N.K.

Olle Berg (Volvo/OICA) O.B.

Pierre Cognet (PSA) P.C.

Ricardo Suarez-Bertoa (JRC) RSB

Rob Gardner (EC) R.G.

Nico Schütze (BMW) N.S.

Mayumi Marimoto (JPN/JAMA) M.M.

Peter Bonsack (CH) P.B.

Stefano Malfettani (Renault) S.M.

Yacine Khellaf (ACEA) Y.K.

24th TelCo Low Temp Task Force

Low Temp Task Force Agenda	
Date	May 2019 Thursday 16 th (9:00-11:00h)
Informal Document	Agenda Low Temp TF 2019-24-01 (Doc TF LowT 24-01)
Room link	https://ecwacs.webex.com/meet/amarotta

Time	Agenda item	Lead / contributions	Working Document
9:00	<p>Welcome and introduction</p> <p>Presentation of agenda</p> <p>Minutes of 23rd Low Temp TF TelCo</p> <p>(25 March 2019)</p> <p>Lecture and approval</p>	<p>Coordinator</p> <p>/ All</p>	<p>Agenda TF LowT 24-01</p> <p>2019-05-16_24th_LowT_TF_TelCo_Agenda_v1.pdf</p> <p><i>(document attached to e-mail on 15 May 2019)</i></p> <p>Minutes TF LowT 23-02</p> <p>2019_03_25- LowT TF - 23rd Telco_draft v3 tbs.pdf</p> <p><i>(document attached to e-mail on 10 May 2019)</i></p>
9:10	<p>Low Temp TF progress & planning</p> <p>Summary & information</p>	<p>Coordinator</p> <p>/ All</p>	<p>WLTP IWG document</p> <p>WLTP-26-02e Overall Progress.pdf</p>
9:15	<p>Low Temp TF Open Issues List</p> <p>Revision/discussion of items in rows labelled as "discuss @ TF" (refer to column L):</p> <ul style="list-style-type: none"> - Document updates, notes of WLTP-26 & update with WLTP-26-11e (17.04.2019) - Rows 51-78 - Rows 79-91 (excluding rows 80, 81 & 89; to be discussed @ SG EV) 	<p>Coordinator</p> <p>P. Bonsack</p> <p>/ All</p>	<p>TF document</p> <p>WLTP_Low_Temp_TF_Status_list_v2019-04-17.xlsx</p> <p><i>(document attached to e-mail on 10 May 2019)</i></p>

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	→ What is “Ready for Drafting”?		
10:20	<p>Low Temp TF Open Issues List (SG EV)</p> <p>Brief information on the progress of SG EV on Low Temp TF Open Issues List:</p> <ul style="list-style-type: none"> - Rows 80, 81 & 89 - Rows 93-119 	<p>P. Ohlund</p> <p>M. Nägeli</p> <p>N. Ichikawa</p>	<p>TF document</p> <p>WLTP_Low_Temp_TF_Status_list_v2019-04-17.xlsx</p> <p><i>(document attached to e-mail on 10 May 2019)</i></p>
10:35	<p>Auxiliaries Sub-Group for Low Temp TF</p> <p>Brief information on activities</p>	<p>Ch. Petitjean</p>	
10:50	<p>Next TelCo & f2f meetings</p>	<p>Coordinator</p> <p>/ All</p>	