

LowT 2019 - Minutes Telco

Date	25 th March 2019
Title	Minutes of the 23 rd Telco - Low Temperature Task force
Document	LowT 23-02 – MINUTES

Note: this minutes are linked to an excel file distributed after the 23rd Telco of the LowT TF

File name: **WLTP_Low_Temp_TF_Status_list-v 2019_25_03**

The Chair welcomed the TF members, presented the agenda and the minutes from the previous meeting of the TF in Paris (Nov 2018). Minutes were approved without any comment.

Chair did a short summary of the progress and planning.

Chair communicated that Hans Matthiasson had excused his absence by mail previously to the Telco . He informed to the Chair of this TF that Olle Berg (O.B) would be the persons replacing him, on the 25th of March, in his new role of representative of OICA - representative from Volvo- for input into the LowTemp TF. (OICA has now a coordinator and interlocutor in this TF as it appears in the minutes of the WLTP 25th January 2019).

Chair also gave the word to O.B. in case he would like to express and share any concern communicated to the Chair previously to the meeting on the revision process of the document “excel and status list”

Revision of document

Copy_of_190131_WLTP_Low_Temp_TF_Status_list_JAMA_ACEA_GM_v4-3_ProposalCH.xlsx

(see agenda copy at the end of this document for information on the distribution date, etc.)

Chair explained at the beginning of this point that only the rows labelled with the # TF LowT would be considered for discussion on the 25th March. As much progress as possible should be done (as much as possible) in the time available for this point

Details were included in the agenda:

Scope of point 3 of agenda

Revision of Rows labelled as: “ **for discussion @TF**”, namely: Rows **1-79 (to be discussed @TF)**
[*]

rows **80 to 91 also @ TF** (excluding rows **80-81 & 89** to be discussed @ EV)

[*] On the 25th, there was time only for the items down to raw 50 of the document

MINUTES, Telco- 25th March 2019

M.N. (ACEA-EV) pointed out that the SG-EV does not expect to be able to meet the deadline requested to the TF by the EC.

O.B. (OICA) pointed out that OICA has not gone through all the issues included in the share document and indicated that they do not feel ready to say that everything listed is ready for drafting.

B.C. (VW) asked about the transposition of the low T GTR. The Chair indicated that this point has been taken into consideration and referred to the invitation of R. Gardner during LowT TF meeting in Paris (Nov 2018) to explain on the current state of transposition TF and state of activity for Type 1.

The group agreed (no comments) on the use of Type 6 to refer to this test procedure.

O.B. (OICA) asked to maintain the status of the items in the current document. The Chair agreed, indicating that all the remarks discussed in the telco would have been included.

- Table including the comments done during the Telco and which were already distributed in a new excel file after the Telco. Document contains all the comments and allegations done during the 23rd Telco of the LowT TF (25th of March to the former document distributed before the telco (See agenda at the end of these minutes)

Raw #	<u>(x.y. speaker) Comments</u>
	<p>This minutes/ table are referred to an excel (live) document produced on the 25th of March during the Telco (WLTP_Low_Temp_TF_Status_list-v 2019_25_03).</p> <p>This serial number will be kept and maintained and modified accordingly with the evolution of the discussions, including dates of modification.</p> <p>All files will be saved and available in CIRCA to track the evolution of the conversations and discussions inside the LowT TF</p>
13	<p>N.I. (JPN): Will the document include class 1 and only at the end be revised? R.S-B. (JRC) the proposal is to keep all classes as they are unless it is demonstrated that they should be modified.</p>
15	<p>03.2019 Proposal CH/JRC: 3.; refer to ToR N.I. (JPN); JPN will communicate if they agree or not to focus on point 1 and point 2 later this year. O.B. (OICA) what customer info is needed? C.A. (Chair) it would be included in discussion @ SG-EV, so that the SG could indicate what is technically possible. B.C. (VW) keep in mind that is a political issue.</p>
16	<p>CH to provide a draft proposal to the Drafting Subgroup P.B. (CH) CH is preparing a draft document including discussion points from raw 15. At the moment, it is not complete. CH: keep open and adapt in Drafting Subgroup accordingly</p>

MINUTES, Telco- 25th March 2019

16-18	Chair requested feedback from TF members.
20	Exhaust emissions to be measured Chair: already written in the ToR
21	03.2019 Proposal CH/JRC: both; fuel consumption can be calculated from exhaust emissions similar to type 1 test, driving range for customer information. Chair: asked if anyone have concerns on the inclusion of FC and elect. range N.I. (JPN) JPN does not have yet a position.
22	03.2019 Proposal CH/JRC: pursue RDE family like concept P.B. (CH) CH suggests RDE-like concept O.B. (OICA) working on an emission family concept to be presented in Zagreb. R.S-B. (JRC) EC requested to use the RDE-family and avoid more family definitions. N.I. (JPN) RDE-family is just for pollutants and does not include range and CO2. This family is not enough to cover all. B.C. (VW) Low-T family will be used in UNECE context (Geneva) where there isn't RDE family. Chair asked SG-EV also to reflect on how it affects electrified vehicles P.B (CH) suggests keeping the concept opened. Not restricted to RDE M.N (ACEA-EV)the family should cover emissions and customer information
26	03.2019 Proposal CH/JRC: 1./2.; pursue regional options, but keep discussion open for striking harmonization ideas. O.B. (OICA) cycle is a big issue for plug-in vehicles, not critical for ICE. Hybrids will have extra-time so not critical during this year. Chair: The time OICA refers to is has not been granted and at this stage is a proposal from OICA/ACEA. This still needs to be discussed in the WLTP.
27-30	Adaptation depending on decision on vehicle classes. CH: Include all vehicle classes until final decision. Chair asked if anyone see the need of adaptation depending on decision on vehicle classes. The group did not showed concerns. B.C. (VW) we might need a coordinated test program for borderline vehicles that ACEA haven't plan to do it but they may if there is evidence of issues with these vehicles. So far there isn't evidence of any problem. The comments from VW were acknowledge by the Chair. CH: Include all vehicle classes until final decision. B.C. (VW) Not aware of problems, but if so, need of coordinated test program for borderline vehicles.
32	Safety margin is needed (driving is not that different at low temperatures). Chair/CH asked H.S. if there is any input for this point. H.S. cannot predict what would happen but high idle speed could be high, but it is unpredictable. Chair asked H.S if anyone could address the point but there was no feedback
36	Chair asked JPN if there was feedback on the fuels.

MINUTES, Telco- 25th March 2019

	<p>proposal), but allow to use standard fuel from type 1 test. N.I./M.M. (JPN) The results were shown in the last WLTP meeting. There is no clear trend on the fuel used, in June JPN will provide a position. Chair asked why the question” Specific cold climate fuel but allow the use of standard GTR15 23degC fuel in the test.” O.B. (OICA) it may be needed during the procedure.</p>
37	<p>03.2019 Proposal CH/JRC: G20 (100% methane), G25 (86 mole% methane, 14 mole% N2) as for type 1 test. All fuel tanks must be filled, use primary fuel or standard vehicle setting for bi-fuel vehicles for type 6 test. B.C. (VW) OICA will provide a proposal to avoid testing G20 and G25 separately. R.S-B. EC requested testing of both fuels independently for bifuel vehicles.</p>
40	<p>I.R. (EC) has concerns since CO2 and FC are also involve on the current proposal and asked to be addressed in a scientific way considering rolling resistance. M.M (JPN) could provide data and JPN is opened to further discuss. M.M. (JPN) regarding R/L setting will provide a position in June R.S-B. (JRC) some concerns have already be addressed but there should be taken into consideration the possible limitation of the procedure and to consider the scope.</p>
41	<p>Driving without "warm-up features" will be higher. B.C. (VW)/ O.B. (OICA) comment to be provided in Zagreb Chair sees concerns from the TF members and asked to address them with evidences</p>
46	<p>No further comments from HORIBA (LH) Chair will discuss directly with instrument manufacturers</p>
47	<p>O.B. (OICA) asked if this point should be deleted as ToR refers only to regulated pollutants in Type 1. Chair prefers not to delete it at current stage. These pollutants are included in the GTR-15 and consider for future EU regulation, so there is no need to delete this part at this early stage and they may appear as “if applicable” for test at Low T. O.B. (OICA) has concerns on the measurement of NH3. R.S-B. (JRC) JRC offers to provide information on this topic to OICA if needed. Evidences on the concerns and concrete difficulties observed by manufactures would be very welcome in the discussions of the TF</p>
48-49	<p>P.B. (CH) It was previously indicated by HORIBA that if dilution and temperature are properly set the measurement is not a problem. O.B. (OICA) is concern because some laboratories may not be properly engineered. OICA will provide comments in the areas of the text where they see room for wrong interpretation. Chair: Annex 5 will not be revised unless there are issues that have been identified and evidences shown. Then the drafting group will address them.</p>
summary	<p><i>Agenda point on “Revision of the excel document” ended at RAW 50. Further progress will be done in next telco of the LowT TF & in the EV SG in their own spaces for discussion (EV –SG telco or f2f)</i></p>

Other issues

O.B. (Volvo) will refer to Hans Matthiasson.

M.N (SG-EV). Summary of the two last teleconferences of the SG, where different point were addressed. In the latest one there was an intensive discussion on a procedure for PEV. There are no conclusions and there will be an update soon.

Ch.P (CLEPA) presented the latest developments on the approach to define the use of Auxiliary systems during the Type 6 test.

(see doc [Auxiliaries Sub-Group for LowTemp UN TF activities-CP-update-25mar2019.pdf](#) ; *doc attached Mail 22 March & available in CIRCA*).

During the presentation, it was asked if a new definition of auxiliary systems has been developed, there was no feedback.

Ch.P. pointed out that, as it can be imagined, the possibility to provide a method that includes the Aux-syst is linked to the test procedures and their intrinsic timing. Although Aux-syst can only be addressed once the procedure is finalized, some work can be anticipated and CLEPA can start drafting a proposal by May.

Ch.P. confirmed to M.M. (JPN) that CLEPA will provide a series of examples on the possible evaluation of each Aux-sys before a decision on which system must be used is taken.

JPN pointed out that they have not discussed which Aux-Syst use so they cannot answer in April or May. They may do it after summer.

Ch.P. pointed out that first the TF needs to close the list of Aux to be used, but in parallel they will prepare some elements (that are not the draft for the GTR) to anticipate the work and provide information for the final discussion.

For the next meeting the Chair will request a slot of time during the WLTP [done – 26th WLTP}. She will contact the TF members to provide more information.

List of participants:

C. Astorga (Chair)

Cecile Favre (AECC)

Mayumi Marimoto (JPN) M.M.

Elena Paffumi (JRC)

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

P. Bonsack (CH) P.B.

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

L. Hill (HORIBA)

Dimitris (VALEO)

D. Lewis ()

Iddo R. (EC)

M. Naegeli (VW/ACEA-EV/SG-EV) M.N.

Norbert Klein (Hyundai- Europe)

Ole Berg (Volvo, representing OICA) O.B.

Szikora (BMVIT Austria)

Takahiro (JARI)

B. Coleman (VW)

Malfettani (Renault)

M. Lakstigala (CLEPA)

M. Rouch (CLEPA)

Schuetze (BMW)

H. Steven (Consultant)

Ch. Petitjean (CLEPA) Ch.P.

D. Robart (Delphi)

M. Lange (UBA)

N. Bear (Ford)

S. Tripathy (Renault)

23rd Telco Low Temp Task force

Low Temp Task force Agenda	
Date	March 2019 Monday 25 th (9:00-11:00h)
Informal Document	Agenda Low Temp TF 2019-23-01 (Doc TF LowT 23-01)
Room link	https://ecwacs.webex.com/meet/mastorga-llorens

Time	Agenda item	Lead/ contributions	Working Document
9:00	Welcome and introduction Presentation of Agenda Minutes of 22nd F2F meeting (Nov 2018 - Paris). Lecture and approval	Coordinator / All	Agenda TF LowT 23-01 (<i>doc attached mail on 20th March</i>) Minutes TF LowT 22-02 (<i>doc attached mail on 20th March</i>) <i>2018_11_19- 22nd meeting f2f Minutes_draft 1-rev.pdf</i>
9:10	Summary & information on: LowT TF progress & planning	Coordinator / All	WLTP-25-02e_rev2_Overall Progress.pdf
9:15	Revision of Rows labelled as: " for discussion @TF ", namely: Rows 1-79 (to be discussed @TF) rows 80 to 91 also @ TF (excluding rows 80-81 & 89 to be discussed @ EV) What is ready for drafting?	Coordinator Peter Bonsack / All	Copy_of_190131_WLTP_Low_Temp_TF_Status_list_JAMA_ACEA_GM_v4-3_ProposalCH.xlsx <i>(doc attached Mail 18 March)</i>
10:40	Brief information from OICA representative in LowT TF - Hans Mathiasson (coordinator WLTP Low T TF for OICA)	Hans Mathiasson / Olle Berg	
10:50	Brief information of the progress of EV-sub group on excel document and discussions	P. Ohlund M. Naegeli Ichikawa-san	Copy_of_190131_WLTP_Low_Temp_TF_Status_list_JAMA_ACEA_GM_v4-3_ProposalCH.xlsx\

MINUTES, Telco- 25th March 2019

			<i>(rows 80-81-89/ and from 92to 118)</i>
11:00	Brief information: activities of Auxiliaries Sub-Group for LowTemp UN TF	Ch. Petitjean	Auxiliaries Sub-Group for LowTemp UN TF activities-CP-update-25mar2019.pdf <i>doc attached Mail 22 March)</i>
11:15	Next Telco and meetings and new dates for telco or f2f		