

# The European Commission's science and knowledge service

Joint Research Centre

**Progress Report**  
**TelCo 16 March 2018**  
**9:00 h**

**Low and Realistic**  
**Winter Temperature TF**



C. Astorga

European  
Commission

# CALENDAR OF TELCO & MEETING (after 20<sup>th</sup> WLTP)

March 16<sup>th</sup> TelCo

f2f  
16-17<sup>th</sup>  
April  
(Ispra)



Temperature?  
CP



Technical  
presentations



GTR

1<sup>st</sup> June  
TelCo

7<sup>th</sup>  
September  
TelCo



European  
Commission

## Content of the next f2f meeting in April 16<sup>th</sup> & 17<sup>th</sup> :

### **A/ Work of the Low T TF expected in 2018:**

- **Progress and development of GTR**

### **B/ Update from Japan in relation to Temperature of the test in winter conditions.**

**The scope of how to use the test results ?**

### **C/ Information provided by other Cps: Sweden, Switzerland and EC.**

- **Others:**
- **Dialogue for harmonized temperature**
- **Test procedure (s): proposals (?)**
- **Auxiliary devices**
- **Information to consumers**
- **validation phase (needed?)**

## **Progress in the discussions for a low T procedure:**

***1<sup>st</sup> part - Discussion for a proposal for ICE test procedure:***

***GTR drafting coordinator and process: star-up***

***2<sup>nd</sup> part - Discussion for a proposal for a test procedure for hybrid vehicles & emissions***

***3<sup>rd</sup> part - Discussion for a proposal for a procedure for hybrids and Electric vehicles***

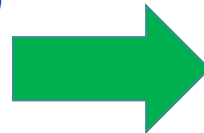
***Later:***

***4<sup>th</sup> part – Discussions on new Test procedure: Information to the customers?***

## 1<sup>st</sup> part - discussions on new Test procedure: Proposal for LD “pure ICE” vehicles test at low Temperature (sub-zero)

Test for LD vehicles under cold weather conditions (sub-zero) should be done for:

- All “pure ICE” (Technology independent and fuel independent)
- Type 1 test of WLTP (see GTR 15) at sub-zero T
- all pollutants need to be referred (same as for Type 1)
- Preconditioning & soaking (force cooling?)
- Cold start
- Auxiliary devices “on” (heating on, others?)
- R/L determination at -X °C or 10% (?) reduction of coast-down time
- Gear shift calculations (adaptation)
- Fuels
- Cycle
- Hardware and instrumentation of the test



*LowT TF agreed on this proposal  
as a starting point for discussion  
of the procedure on 12<sup>th</sup>  
December 2017  
(16<sup>th</sup> f2f meeting)*

***All documents and presentations corresponding to this 16<sup>th</sup> LowT meeting can be found in CIRCA-BC under:***

**[Library](#) > [WLTP](#) > [UNECE-WLTP](#) > [Low and realistic winter temperature TF](#)**