

<b>WLTP DTP Lab Process ICE subgroup</b>	
<b>Date</b>	15 July 2010
<b>Title</b>	Lab Process ICE Subgroup Terms of Reference & Plan of Activity
<b>Working Paper Number</b>	WLTP-DTP-LabProciCE-002

## **1. Introduction**

At the second meeting of the WLTP Development of Test Procedures group it was agreed that sub-groups would be established to investigate and develop specific areas of WLTP test procedures. The Lab Process ICE subgroup is tasked with developing a test procedure which includes vehicle preparation, vehicle configuration, vehicle operation, measurement equipment and formulae for the measurement of criteria pollutants, CO<sub>2</sub>, and fuel consumption for internal combustion engine light duty vehicles. In addition, the Lab Processes ICE subgroup will be responsible for the development of those considerations that are common with electrified vehicles.

## **2. Terms of Reference**

**Chair:** Stephan Redmann – Ministry of Transport (Germany)  
Béatrice Lopez de Rodas - UTAC (France)

**Co-chair:** Dr. Werner Kummer - OICA

- 2.1 The working language of the subgroup will be English.
- 2.2 All documents and/or proposals shall be submitted to the Chair (in a suitable electronic format) in advance of scheduled meetings/web-conferences. Participants should aim to submit documents 5 working days in advance of meetings/web-conferences.
- 2.3 An agenda and related documents will be circulated to all subgroup participants in advance of all scheduled meetings/web-conferences.
- 2.4 Documents will also be uploaded by the Chair to the European Commission's website (Circa) and a link provided from the UN-ECE website.
- 2.5 The progress of the subgroup will be reported to DTP group meetings by the Chair (or other nominated person). Reporting will include a list of "Open Issues" on which agreement has yet to be reached within the subgroup, which will be updated by the Co-chair.
- 2.6 Following each meeting/web conference the Chair (or other nominated person) will circulate a short status report, along with the list of "Open

Issues” to chairs and co-chairs of DHC, DTP and other DTP subgroups.

### **3. Scope of Activity**

- 3.1 The subgroup will undertake the following tasks.
  - 3.1.1 Identify content of Contracting Party legislation relevant to laboratory procedures for conventionally fueled light duty vehicles excluding PM/PN and additional pollutants measurement procedures.
  - 3.1.2 Compare relevant content of Contracting Party legislation (US, UNECE, Japanese).
  - 3.1.3 Decide upon which content to use for WLTP or, where appropriate, to specify alternative requirements for WLTP.
  - 3.1.4 If necessary improvements shall be conducted on the following principles
    - narrow tolerances / flexibilities to improve reproducibility
    - cost effectiveness
    - physically reasonable results
    - adapted to new cycle
  - 3.1.5 Draft laboratory procedures for internal combustion engine light duty vehicles and specification text.

### **4. Timing Plan**

- 4.1 The DTP timing plan (WLTP-DTP-01-03) indicates that draft test procedures and specifications should be completed by the end of Quarter 2 of 2011, with validation testing on the proposed test procedures to start at the end of Quarter 3 of 2011. Items 3.1.1 to 3.1.4 above will therefore need to be complete by the end of Quarter 2 and item 3.1.5 by the end of Quarter 3.
- 4.2 The following timing plan is proposed.

