

WLTP DTP PM/PN subgroup	
Date	4 th October 2010
Title	PM/PN Subgroup Terms of Reference & Plan of Activity
Working Paper Number	WLTP-DTP-PMPN-01-02 Rev.2

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 PM/PN subgroup is tasked with developing particulate mass (PM) and particle number (PN) measurement procedures and specifications. This document sets out the Terms of Reference for the subgroup and a plan of its activity.

2. Terms of Reference

Chair: Chris Parkin - UK Department for Transport

Co-chair: Caro Hosier - 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 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 PM and PN

measurement procedures.

3.1.2 Compare relevant content of Contracting Party legislation (US, UNECE, Japanese).

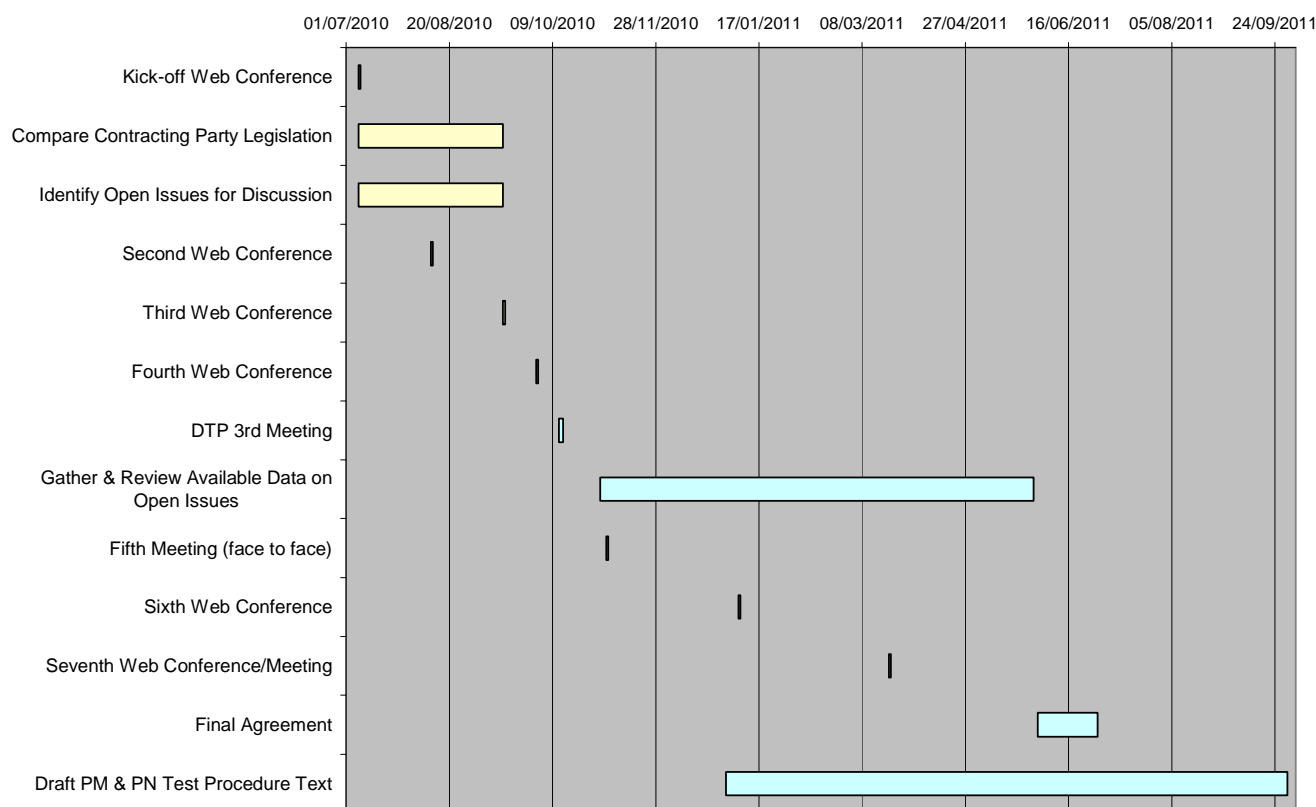
3.1.3 Decide upon which content to use for WLTP or, where appropriate, to specify alternative requirements for WLTP.

3.1.4 Draft PM and PN measurement procedure 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 3.1.3 above will therefore need to be complete by the end of Quarter 2 and item 3.1.4 by the end of Quarter 3.

4.2 The following timing plan is proposed.



4.3 Fifth, Sixth and Seventh subgroup meetings are to take place in November 2010, January 2011 and March 2011 (dates to be confirmed).

5. Organisation of Work & Meeting Frequency

- 5.1 Work will be subdivided into small groups covering the following subject areas.

Small Group 1

Transfer from vehicle, dilution system requirements, residence time, conditioning of diluent, PM sampling probe, sampling conditions, filter holder & papers (media), residence time

Small Group 2

Weighing room/chamber specifications, microbalance specifications, PM sampling system preparation and operating instructions including filter conditioning & handling, PM Calculations & corrections, PM Calibration frequency & requirements

Small Group 3

Periodic regeneration measurement requirements, DPF degreening and loading

Small Group 4

PN measurement instrument specification, PN Calculations & corrections, PN Calibration frequency & requirements

- 5.2 Small groups will, in the period from November 2010 to May 2011 gather data to review the relevant Open Issues and develop proposed solutions.
- 5.3 The small groups will provide their proposed solutions, along with a rationale, to the chairman for circulation to the subgroup in advance of its meetings. The subgroup will consider the proposed solutions and decide whether to accept them or refer them back to the small group for further consideration.