



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of the Environment,
Transport, Energy and Communications DETEC

Federal Office for the Environment FOEN

Air Pollution Control and NIR Division

Welcome to the 6th Meeting of WLTP DTP

**8th June 2011
UNECE, Geneva (CH)**



Background information to DTP6

- Mr. Krause, secretary of DTP, is unfortunately not present at this meeting for health reasons.
- Working progress is remarkable, nevertheless still many open issues to be addressed until June GRPE.
- Draft definitions as well as draft partial test procedures are available but not consolidated yet.
- Set up of a GTR drafting group is not available yet.
- Final planning of the validation phases is an urgent matter.
- Relevant parameters for implementation of validation phase 2 have to be provided very soon.



Objectives of DTP6

- Agree on objectives for validation phase 2
- Show working progress from the subgroups and
- Prepare the parameter setting needed for validation phase 2
- Agree on further actions to be taken regarding other open issues, which are not absolutely essential for validation phase 2
- Prepare DTP report to GRPE



Draft agenda modified

WLTP-DTP	
Title	DTP 6 th Meeting – Agenda (DRAFT)
Working Paper Number	WLTP-DTP-06-01a-modified

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Date: → Wednesday 8th June 2011, 09:30 – 17:30 (lunch break 12:30 – 14:30)¶

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Location: → Palais des Nations, **Room XXI** (Building E)¶

→ 8-14 Avenue de la Paix, CH-1211 Geneva, Switzerland¶

-→ <http://live.unece.org/fileadmin/DAM/trans/doc/2011/wp29grpe/ECE-TRANS-WP29-GRPE-62-inf01e.pdf>¶

-→ http://www.unece.org/meetings/UN_Map.pdf¶

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Documents for the meeting can be downloaded from the following web sites:¶

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http://www.unece.org/trans/main/wp29/meeting_docs_grpe.html?expandable=0&subexpandable=99¶

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<http://circa.europa.eu/Public/irc/enterprise/wltp-dtp/library?l=/&vm=detailed&sb=Title>¶

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Draft agenda modified (II)

Agenda

1. Welcome and introduction
2. Approval of draft agenda and minutes of DTP 5th meeting (WLTP-DTP-05-11)
3. Presentations from the sub-groups on the state of work and open issues (approx. 45 minutes each):
PM/PN: C. Parkin, C. Hosier; AP: O. Moersch, C. Astorga; LP-ICE: S. Redmann, K. Kolesa, B. Lopez; LP-EV: K. Kobayashi, P. Ohlund; RF: B. Coleman.
4. Planning of validation phase
5. General issues (DTP-level): Test temperature (UTAC and JRC), vehicle test mass (NL), inertia classes (icct, OICA)
6. Wrap-up and open issues
7. Next meeting: DTP 7th
 - Date: from 12th to 14th September 2011
 - Location: Bern (CH) at Hotel Bern (www.hotelbern.ch)
→ (not anymore at JRC in Ispra as originally proposed!)
8. Miscellaneous



Minutes DTP5 (wrap-up and open issues)

DTP5 Wrap-up and Open Issues

WLTP-DTP-05-11

General Issues:

1. The road map was presented and discussed. An updated version will be posted on the websites.
2. It was requested to update the consolidated version of the road maps, WLTP-DHC-DTP. Mr. Ichikawa will prepare and present at DTP6.
3. A more detailed validation test 2 table was presented and discussed. An updated version will be posted on the websites.
4. All subgroups shall identify the relevant definitions and complete the table LabProICE-049 by end of May 2011.
5. GTR drafting group – EU Com is going to sponsor the coordinator. It is expected to have the group installed by mid of May 2011 at the latest. The drafting group is responsible for consolidating text and definitions.
6. Next meetings:
 - a. DTP6 face-to-face meeting: 08.06.2011, Geneva during 62nd GRPE, details to follow.
 - b. DTP7 face-to-face meeting: 12.09.2011 14:00 -14.09.2011 12:00, JRC (Ispra, Italy), details to follow.
 - c. DTP8 face-to-face meeting: 10.01.2012, Geneva during 63rd GRPE, details to follow.



Minutes DTP5 (wrap-up and open issues)

7. Vehicle weight/inertia weight – Peter Mock presented the step-less inertia weight approach. Without knowing the definition of curb weight and reference weight the inertia weight cannot be defined. André Rijnders., Chris Parkin, Peter Mock, and Arne Richters are going to prepare a proposal for a definition of test mass. It will be distributed prior to DTP6 and will be part of the agenda of DTP6.
OICA is going to show influence on emissions and fuel consumption of the 60 kg steps at DTP6.
8. Family concept has been briefly discussed. It was decided, that DTP Chair and Secretary prepare a document based on the different regulation and present it at DTP6.
9. Test and soak temperature – EU Commission together with JRC shall present test results to show effect on CO₂ at 25 °C and 15 °C at DTP6. India shall present test data at 30 °C and 20 °C at DTP6.
UTAC presented preliminary results with finals expect to be presented at DTP6. It seems to be that this point needs to get escalated to GRPE.



3. Report from the Subgroups



4. Planning of validation phase



Planning of validation phase

Work-item	June 2011	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 2012	Feb.	Mar.	Apr.	May
Validation-phase-1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
1.1-Detailed-plan-V1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
1.2-Coordination-V1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
1.3-Analysis-V1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
1.4-Corrective-meas.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Validation-phase-2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.1-Detailed-plan-V2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.2-Coordination-V2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.3-Analysis-V2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.4-Corrective-meas.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Technical-report	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3.1-Report-writing	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Source: Validation Task Force, lead JRC



ToR for validation phase 2

Some essential aspects below:

- Agree on the objectives of validation phase 2
- Participation in validation 2
- Announcement of interest from testing laboratories
- During this 6th DTP meeting: informal commitment
- Final confirmation of participation by end of June
- Provide regional contact point (EU, Japan, Korea, India, China, USA) by end of June

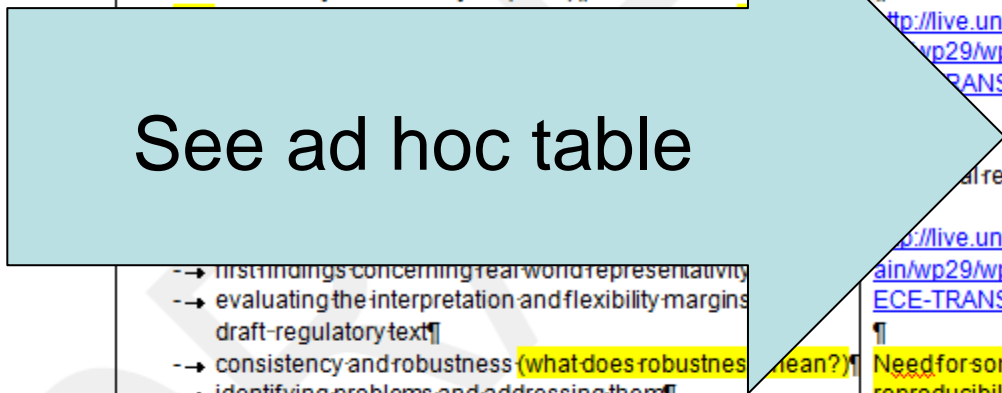


ToR for validation phase 2

Terms of Reference for the validation phase 2 of WLTP

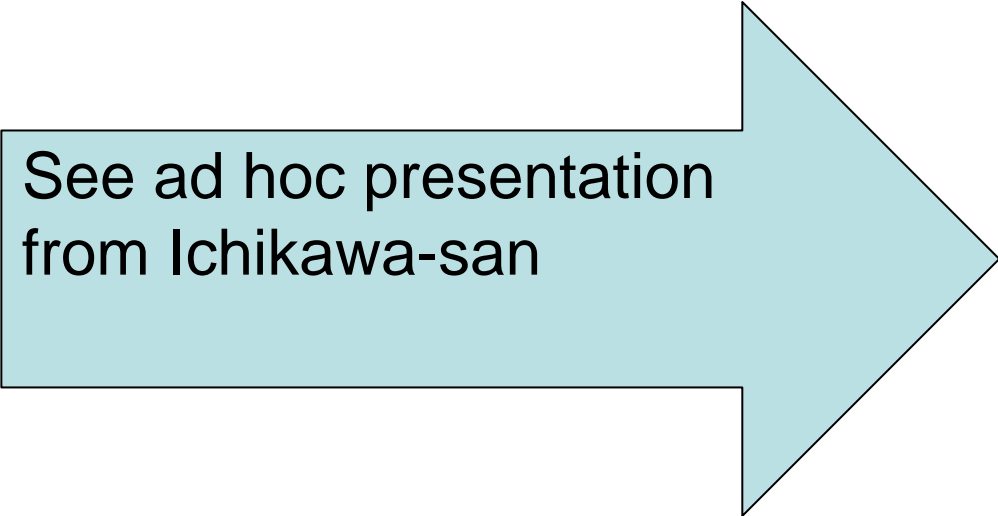
This table below addresses important issues to be discussed, which are relevant for the planning and realization of validation phase 2. Once agreed by WLTP secretary, DHC & DTP chairs and WLTP members on these terms, a call for interest and a guidance can be worked out for the testing laboratories as soon as possible.

Item	Description	Comments	
1	Objective	<p>Test the new drafted WLTP driving cycle and test procedure concerning measurement of CO₂, air pollutants and electric energy consumption in terms of:</p> <ul style="list-style-type: none"> → driveability of the test cycle (DHC) <p>→ first findings concerning real world representativity</p> <p>→ evaluating the interpretation and flexibility margins draft regulatory text</p> <p>→ consistency and robustness (what does robustness mean?)</p> <p>→ identifying problems and addressing them</p> <p>The validation test is clearly not a correlation exercise.</p>	<p>for background information see</p> <p>Technical report GTR no. 2</p> <p>http://live.unece.org/fileadmin/DAM/trans/main/wp29/wp29wqs/wp29gen/wp29registry/ECE-TRANS-180a2app1e.pdf</p> <p>Technical report GTR no. 4</p> <p>http://live.unece.org/fileadmin/DAM/trans/main/wp29/wp29wqs/wp29gen/wp29registry/ECE-TRANS-180a4app1e.pdf</p> <p>Need for some assessment on inter-lab reproducibility as well but this will require someone to supply and circulate a reference vehicle and may add time to the programme (Chris Parkin).</p>
2	Time frame	Starting from 30th September 2011 and ending on 02.04.2012.	
3	Different energy sources and power-trains to be tested	<p>Diesel / Gasoline / Ethanol / CNG / HEV / EV</p> <p>For ICE, test manual and automatic gearbox if possible.</p> <p>At least 2 vehicles tested in each laboratory.</p>	





Draft test matrix for validation phase 2



See ad hoc presentation
from Ichikawa-san



5. General issues (DTP level)



General issues (DTP level)

Open issues not essential for the start of validation phase 2:

- Soak and test temperature (UTAC and JRC)
- Definition of vehicle test mass (NL)
- Inertia classes (icct and OICA)
- Family concept (postponed)