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Federal Office for the Environment FOEN

Air Pollution Control and NIR Division

# Report of 6th DTP Meeting to GRPE

9th June 2011  
UNECE, Geneva (CH)



# Content of the report

- Background information
- Meetings since last GRPE
- Agenda of 6th DTP
- General issues DTP
- Subgroup reports
- Planning of validation phase 2
- Next steps



## Background information to DTP6

- Mr. Krause, secretary of DTP, was unfortunately not present at the meeting for health reasons.
- Working progress is very good, nevertheless still many open issues remain to be solved until GRPE in January.
- Draft definitions as well as draft partial test procedures are available but not consolidated yet.
- GTR manager is not available yet. Start of GTR drafting not possible soon.
- Final planning of validation phase 2 is an urgent matter now.
- Relevant set of parameters for implementation of validation phase 2 have to be provided very soon.



## Previous meetings of DTP

- 5th DTP (DTP5) from 12th to 14th April 2011 at EMPA in Dübendorf near Zürich  
=> minutes see document WLTP-DTP-05-11
- 6th DTP (DTP6) yesterday on 8th June 2011

Documents available on UNECE WLTP website under DTP5th and DTP6th as well as on EU circa website.



# 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 62<sup>nd</sup> 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 63<sup>rd</sup> 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 CO<sub>2</sub> 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.



# Agenda of 6th DTP on 8th June 2011

## Agenda¶

1. → Welcome and introduction¶
2. → Approval of draft agenda and minutes of DTP 5<sup>th</sup> 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 7<sup>th</sup>¶  
  
Date: from 12<sup>th</sup> to 14<sup>th</sup> September 2011¶  
  
Location: Bern (CH) at Hotel Bern ([www.hotelbern.ch](http://www.hotelbern.ch)) →  
→ (not anymore at JRC in Ispra as originally proposed!)¶
8. → Miscellaneous¶



## General issues DTP (ICE progress report)

1. Test temperature (results from UTAC and JRC)
  2. Inertia classes (presentation by icct and OICA)
  3. Vehicle test mass (presented by NL)
  4. Family concept (not handled, postponed)
- These issues are not essential for validation phase 2
  - The approach is to have further consolidated discussions at DTP7 in September.
  - Contracting parties are invited to express their views on these issues until DTP7.
  - In particular, have a consolidated EU position on temperature by DTP7.





## Subgroup reporting

- Reports given from LabProclCE, PM/PN, AP and LabProcEV as well as EU study on EV.
- Working progress regarding open issues and GTR drafting has been shown.
- Issues not absolutely relevant for validation phase 2 will be discussed after consolidation at DTP7.
- Relevant parameter needed for validation phase 2 have been addressed within the subgroup.
- No advice required from DTP so far.
- Subgroups agreed to deliver set of parameters needed for validation phase 2 by end of July.



# Overview planning of validation phases

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

Source: Validation Task Force, lead JRC



## Agreed objectives for validation phase 2

Item <sup>α</sup>	Description <sup>α</sup>
Objectives <sup>α</sup>	<p>The new drafted WLTP driving cycle and test procedure regarding measurement of CO<sub>2</sub>, air pollutants and electric energy consumption has to be validated according to the following objectives: ¶</p> <p>¶</p> <p><u>Primarily</u> ¶</p> <ul style="list-style-type: none"><li>a. → assess operability and practicability of the measurement procedure (DTP). AP are not mandatory, but can be included by labs depending on availability. NO<sub>2</sub> should be included. ¶</li><li>b. → assess the robustness and consistency, in particular by parameters and tolerances variation (challenge the procedure) ¶</li><li>c. → Identify problems and address them. ¶</li></ul> <p>¶</p> <p><u>Secondly</u> ¶</p> <ul style="list-style-type: none"><li>a. → provide first findings concerning real world <u>representativity</u>. ¶</li><li>b. → provide first findings regarding repeatability (based on number of tests performed). ¶</li></ul> <p>¶</p> <p>¶</p> <p>¶</p> <p>The validation test is clearly not a correlation or reproducibility exercise. ¶</p> <p>¶</p>



## Interested parties for validation phase 2

<u>Party</u>	<u>Laboratory</u>
China, participation to be confirmed	
EU	JRC
France	UTAC
Germany	probably Tuev-Nord
India, participation to be confirmed	
Japan	NTSEL, JARI, JAMA
Korea	NIER
Netherlands	to be defined
South Africa	SABS
Switzerland	EMPA and AFHB to be confirmed
AECC	to be defined
OICA	to be defined

-> Final confirmation needed by end of June to DTP chair!



## Draft test matrix for validation phase 2

- Draft test matrix presented by Ichikawa-san.
- Matrix containing number of labs, type of vehicles and parameters to be tested.
- Matrix has to be considered as starting point for the detailed planning.
- Detailed planning is going to be elaborated by validation task force.
- DTP agreed on the principle for both objectives and test matrix for validation phase 2.



## Next steps

- Final confirmation from parties and laboratories regarding participation in validation phase 2 by end of June
- Subgroups provide set of parameters for validation phase 2 by end of July.
- Validation task force will provide a laboratory guidance for validation phase 2 by end of July.
- Next DTP meeting (7th) from 12th to 14th September in Bern (details follow).
- Subgroups and parties are requested to submit asap the list of participants to DTP7 (number of participants is limited to 40)