

Summary of 6th WLTP-DHC Meeting

**13 January 2011
Palais des Nations, Geneva**

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1. Current Status

Informal document No. **GRPE-61-xx**
(61st GRPE, 13-14 January 2011, agenda item 6.1)

1. In-use Data Collection

	In-use Data	Traffic Statistical Information
China	On going (expect to complete by May. 2011)	←
EU	Completed (on going for more data acquisition)	Not yet
India	On going (expect to complete by Apr. 2011)	←
Japan	Completed	Completed
Korea	Completed	Completed
USA	Completed	Completed

2. Methodology → It was agreed by DHC group
(refer to WLTP-DHC-06-03e.rev1)

2. Open Issues -1

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	Issues	Discussion points	Proposed Actions
1	Deadline for submission of driving data	a) India and China requested deadline be extended to May	CPs to submit as much data by end of Jan as possible. Propose to AC3 that only data submitted by deadline be used ?? Compress possible work elements to accommodate delay.
2	Regional Weighting when developing the WLTC	a) traffic volume b) same weighting	Wait for initial analysis, then make a decision during 7 th DHC meeting
3	Threshold Speed for L/M/H	a) according to DHC-06-03 b) CP's requirement	
4	High Phase Cycle Construction (US&EU versus other regions)	a) only ONE unified cycle b) possess TWO types of High phase cycle	Wait for initial analysis, then further discussion is necessary before developing the 1 st WLTC
5	Mode Construction	a) cold start test only b) cold start & hot soak start	After developing the 1 st WLTC, further analysis is necessary during the validation 1

2. Open Issues -2

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	Issues	Discussion points	Proposed Actions
5	Unique Weighting Factor for L/M/H Phase	<ul style="list-style-type: none"> a) harmonized weighting factors b) permit regional weighting factors 	After developing the 1 st WLTC, check the representativeness for each region.
6	Gear Shift Points	<ul style="list-style-type: none"> a) fixed points b) based on vehicle specification c) others 	JARI, JRC and Mr. Steven work together to finalize the method before developing the 1 st WLTC.
7	How to treat the vehicles which are not able to follow the prescribed cycle	<ul style="list-style-type: none"> a) continue to drive with wide-open-throttle b) exempt the H (or M&H) phase(s) c) others 	Develop the proposal during validation 1 tests.
8	Check the driving profile based on the vehicle characteristic		Analyze the in-use data based on vehicle characteristic (i.e. power to mass ratio)

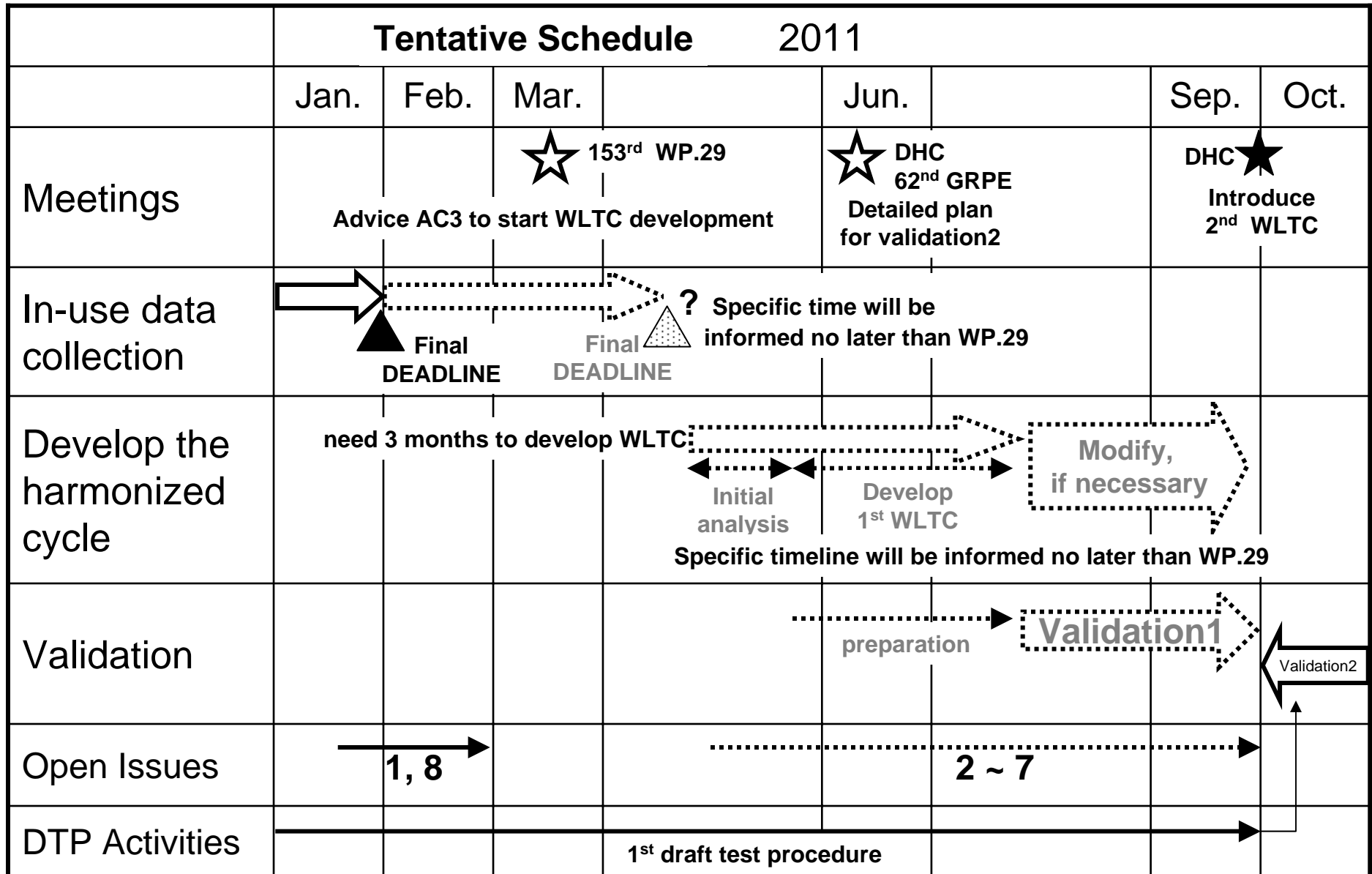
3. Next Actions

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1. Submit available data by the end of January.
2. Review the each DHC work element and provide the revised time schedule to accommodate the in-use data collection extension by no later than the end of January 2011.
3. Advise WP.29/AC3 (in March 2011) for their decision to move on to WLTC development ??
4. Start the development of initial WLTP.
5. Make a concrete plan for validation¹ and start testing.
6. Propose the countermeasure for each open issue.

3. Next Actions

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4. Test Program of Validation 1

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		Test Vehicles * *) vehicles configurations are based on its “power to mass ratio”, “DTC”, “compliance emission level” and so on.				
		#1	#2	#3	#4	Unique technologies (e.g. regeneration system, hybrid, PEV)
DRIVEABILITY PRACTICABILITY	SMOOTH THROTTLE OPERATION					
	APPROPRIATE SHIFT POINT (MT only)					
	CLUTCH OFF POINT (MT only)					
	MODE TRACEABILITY					
	TIRE LOCK, SLIP					
REPEATABILITY ** (including different test drivers) **) emission level, driving energy index, etc						
Request from DTP (e.g. additional pollutants, etc)						

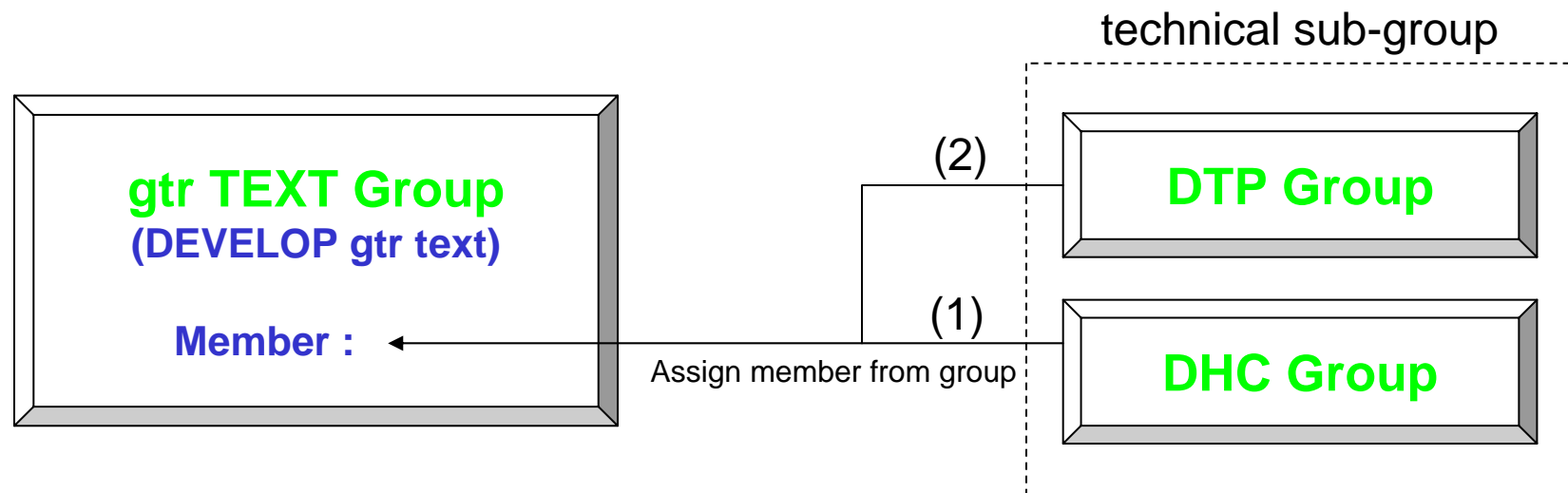
Korea, Japan and OICA will work together to develop the detailed test protocol and conduct the testing after completion of 1st WLTC.

5. gtr Text Group Organization

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It was agreed to establish the gtr text group for gtr development. DHC/DTP chairman have a responsibility to assign the member from their group.



Missions of member

1. Develop overall gtr structure
2. Coordinate with each sub-group for text development
3. Editorial check

Missions of each sub-group

1. Develop gtr text