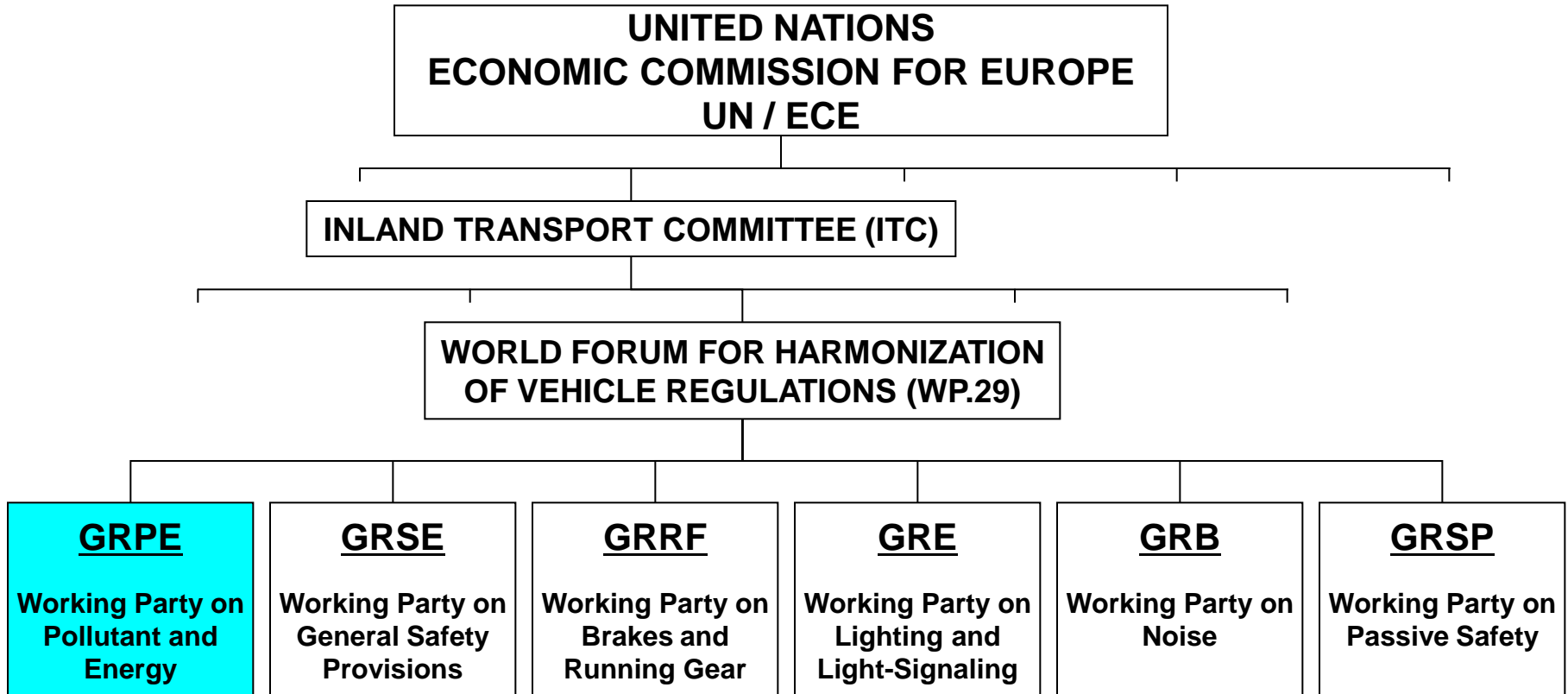


Emission and Fuel Efficiency Test Procedure for Light Duty Vehicles under WP.29

Presentation at International Standards to Promote
Energy Efficiency and Reduce Carbon Emissions
in Paris, on 16-17 March 2009

by Noriyuki ICHIKAWA, Technical Secretary,
UN / ECE / WP.29 / GREP / WLTP Informal Group

World Forum for Harmonization of Vehicle Regulations (WP.29)



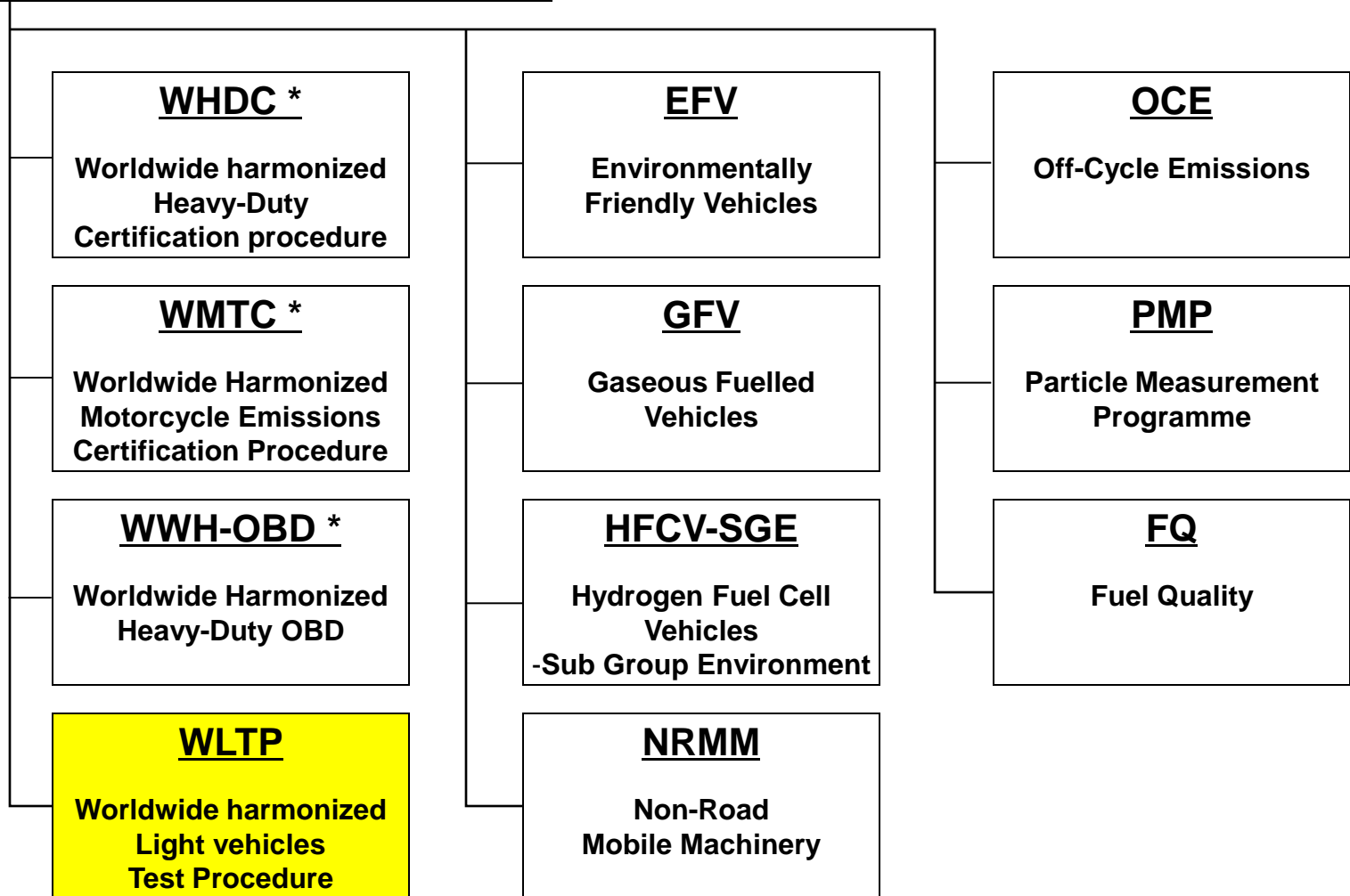
The work of the 6 subsidiary bodies of WP.29 is aimed at :

- the improvement of vehicles' active and passive safety
- the reduction of vehicles' noise level, emission of pollutants and fuel consumption

Activities of GRPE

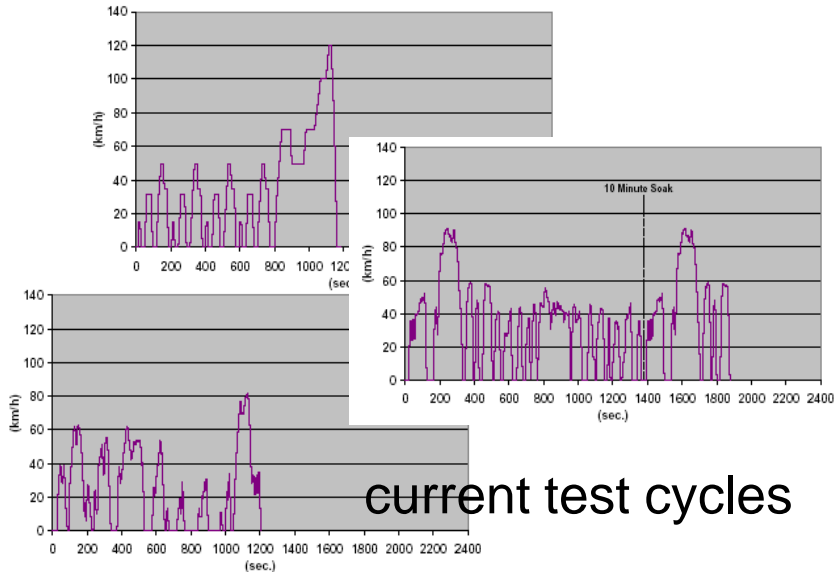
GRPE
Working Party on Pollutant and Energy

11 Informal Groups are currently active and 3 grs (*) were established



Objectives of WLTP

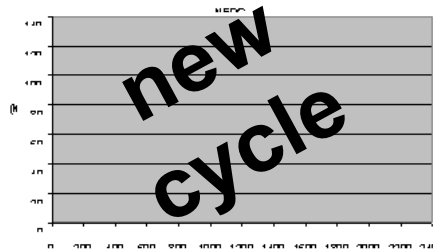
- Remove technical barriers on different markets
- Posses common test procedure reflecting the real driving conditions in real world



Vehicle	X	Y	Z
Test Mode	A	B	C
Emission (g/km)	0.0025	0.0015	0.0022
CO2 (g/km)	124.5	140.3	101.4

? which vehicle is better for environmental performance ?

reflect the real driving conditions

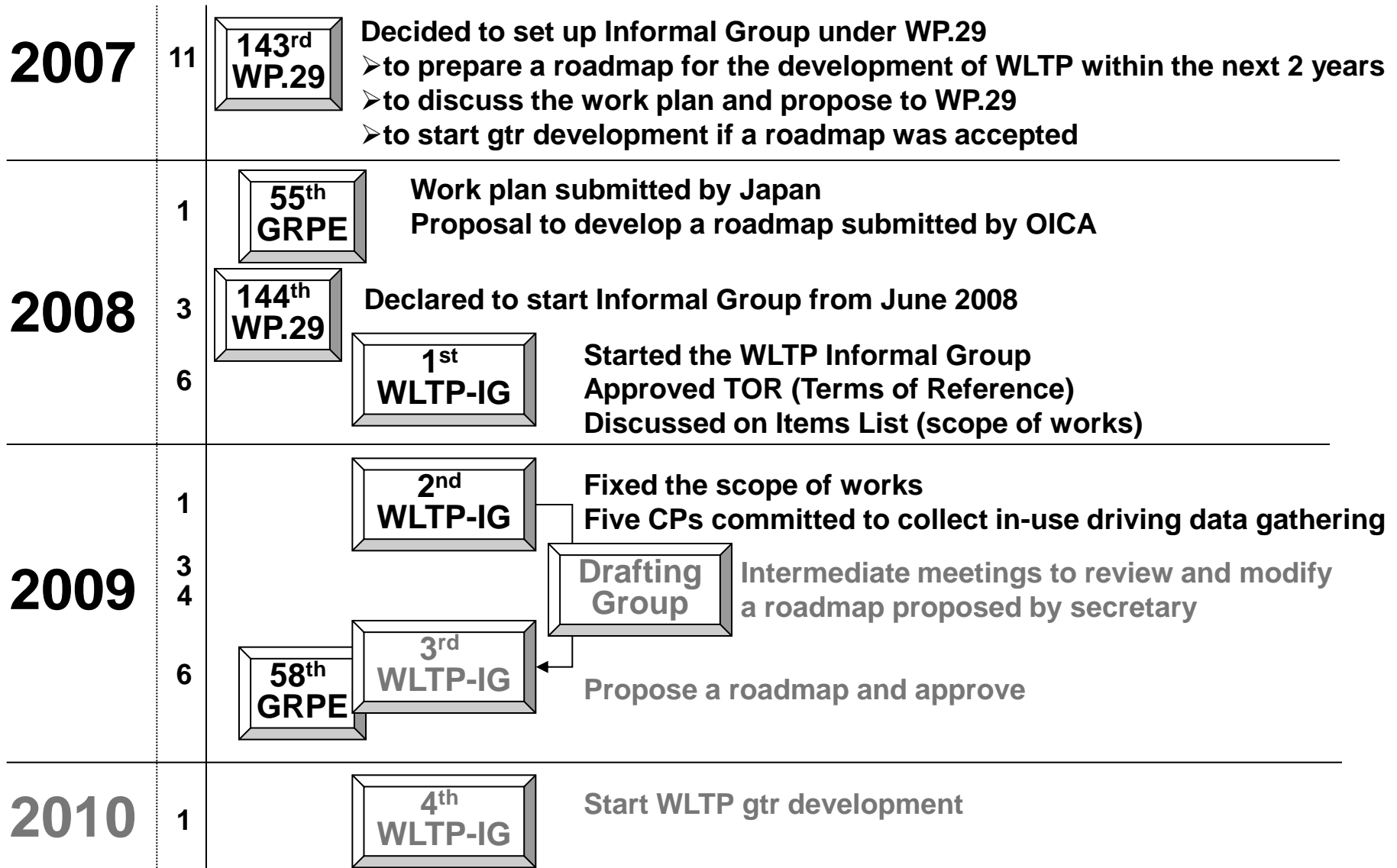


common test procedure

Objectives of WLTP - as a result -



Progress of WLTP



Topics during WLTP Informal Group

1st Meeting

- **Terms of Reference and Rules of Procedures was agreed.**
- **First reading of Item list was agreed positively with small modifications.**
- **The Chairman recommended to amend the dead line to June 2009, if technically possible (half year earlier than original) due to its urgency.**
- **Technical secretary was requested to propose “Solutions for the Item List” before 2nd WLTP-IG**

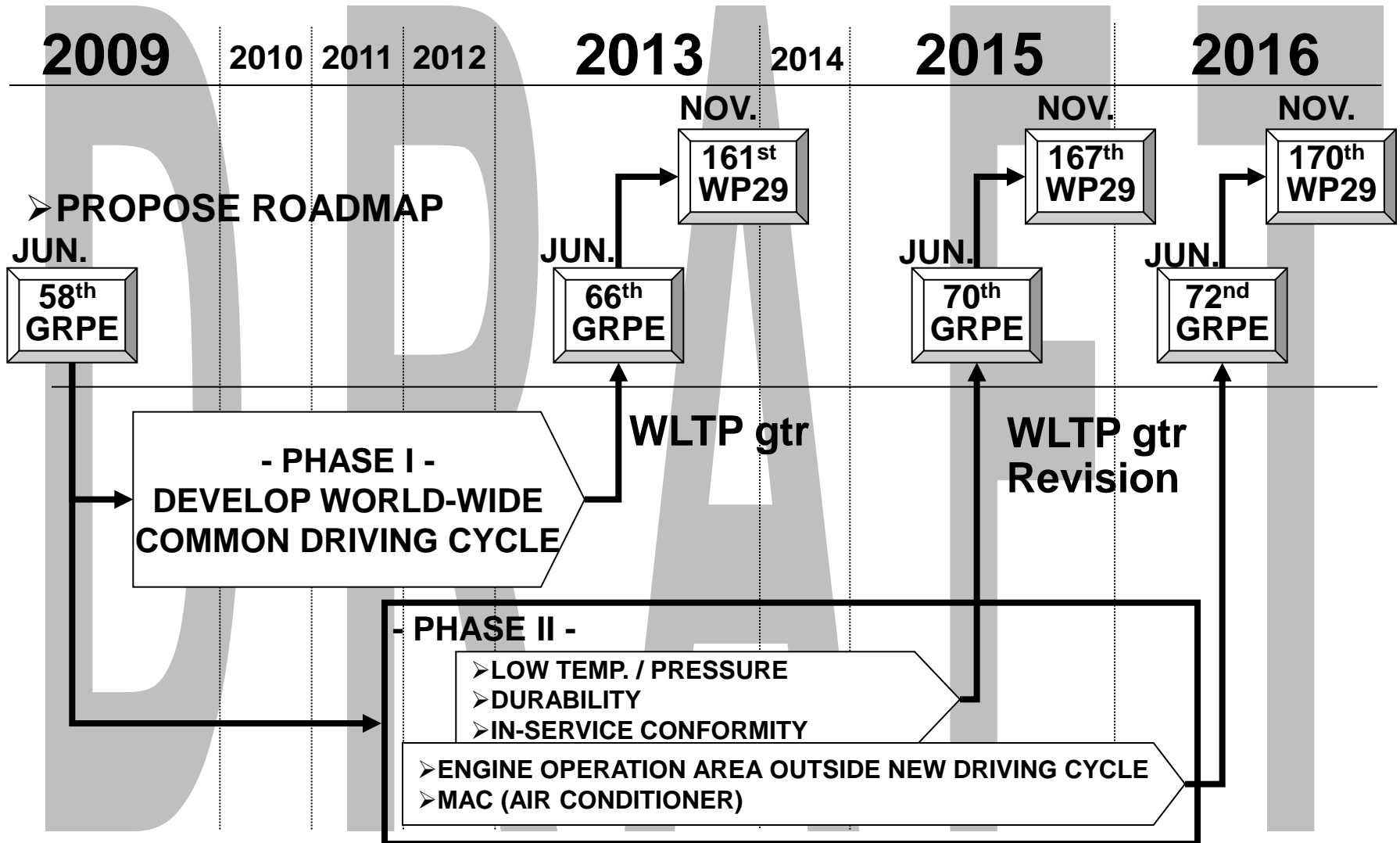
Topics during WLTP Informal Group

2nd Meeting

- **The proposed “Solutions for Item List” was approved with slight modification -> Fixed the scope of works**
- **5 CPs (China, EC, India, Japan, US) have committed to collect In-use driving data.**
- **Data analysis methodology will be proposed by 3rd parties expertise during gtr making phase.**
- **US/OICA has presented their experiences on cycle development process.**
- **Two intermediate meeting will be held to ensure the establishment of a roadmap in June 2009.**
- **Related CPs were asked to fill out the blank portions of current regulations comparison (Vehicle categories and Terminology).**

Next Actions of WLTP

- WLTP Roadmap is currently under the discussion.
- The following schedule may subject to change.



Expectations/Suggestions to WLTP

<<Key Messages for Ministers

in International Transport Forum(ITF) Meeting at Leipzig (May 2008) >>

Progress is being made in the EU, US, Canada and Japan in establishing regulations on fuel consumption from new motor vehicles. This progress needs to be pursued and strengthened if the ambitious aims set out above are to be met. More specifically, the UNECE's World Forum for Harmonization of Vehicle Regulations (WP.29) is urged to accelerate the work to develop common methodologies, test cycles and measurement methods for vehicles.

for more detail, please visit

@<http://www.internationaltransportforum.org/Topics/pdf/KeyMessages2008.pdf>

<<Ministerial Declaration in the Ministerial Conference on Global Environment and Energy in Transport (MEET) at Tokyo (January 2009)>>

Strengthen international cooperation to develop and harmonize procedures for testing exhaust emissions through the UNECE/WP.29;

for more detail, please visit @<http://www.mlit.go.jp/common/000031000.pdf>