

**Progress report**  
of the  
**WLTP Informal Working Group**

**Prepared by WLTP IWG**

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# 1. WLTP IWG Activities (1)

**Since 79<sup>th</sup> GRPE session**

- **Two (2) face-to face meetings**
  - **Bern (September 25rd – 27th)**
  - **Geneva (Jan 13<sup>th</sup>)**
- **Fifty-seven (57) Webex meetings of Subgroup and/or TF**
- **Two (2) experts meetings for specific items**

**As a result,**

- **Managed to complete Transposition proposal and include new elements**
- **Managed to keep Low T and OBD on challenging schedule**

# 1. WLTP IWG Activities (2)

WD : Working Document  
ID : Informal Document

▼ we are here

Working Items		2019	2020				
		10	1	3	6	7~	
Transposition to UNR	UNR WLTP	<b>WDs 2020/3-4</b>	IDs 80-38 80-39			<b>expect to complete most activities by end of mandate</b>	
	UNR 83-08			<b>WD</b>			
GTR#15	Amd#6		ID	<b>WD</b>	(ID)		
	Low Temp.			<b>WD</b>	(ID)		
	OBD			<b>WD</b>	(ID)		
GTR#19	Amd#3	<b>WD 2020/7</b>	ID 80-34 80-35				
WLTP Organization		inform GRPE of future activities⇒			ID	New set-up?	

## 2. Action Lists during 80<sup>th</sup> GRPE session

Working Items	Expected Actions (informed during 79 <sup>th</sup> session)	Action List
Transposition to UNR including durability, COP and OBD	✓ submit <b>Working Documents</b> for approval	➤ <b>request for approval</b> including informal documents which will be merged into Working documents
GTR19 Amd#3	✓ NA	
GTR15 Amd#6	✓ submit Informal Document for review	➤ request for review (GRPE-80-YY)
Low Temp.		
OBD		

### 3. Overview of Working Documents

Due to the inclusion of new elements (e.g. COP, Durability, OBD), a variety of complicated issue and enthusiastic last minute text improvement, informal documents were submitted to finalize the working documents.

	Working documents	Informal documents
<b>UNR WLTP</b>	ECE/TRANS/WP.29/GRPE/2020/3 ECE/TRANS/WP.29/GRPE/2020/4	GRPE-80-38 and 39 to finalize the Working Documents
<b>GTR19 Amd#3</b>	ECE/TRANS/WP.29/GRPE/2020/7	GRPE-80-34 and GRPE-80-35 to bring GTR in line with UNR WLTP

## 4. Overview of UNR WLTP (1)

for more detail, please refer WLTP-29-05e

Contents	main sources	00 series		01 series
		Level 1A	Level 1B	Level 2
1. Scope	GTR15/19 UNR83/101 Japanese Reg.	EU-WLTP	GTR15/19	cover both Level 1A and 1B area
8. Conformity of production (COP)	EU-WLTP Japanese Reg.	EU-WLTP with slight modification	Japanese Reg.	satisfy both Level 1A and 1B requirement
13 Appendix 5. OBFCM	EU-WLTP	EU-WLTP	NA	EU-WLTP
Annexes Part A. Test report /communication and so on	EU-WLTP Japanese Reg.	←	←	←

## 4. Overview of UNR WLTP (2)

Contents	main sources	00 series		01 series
		Level 1A	Level 1B	Level 2
Annexes Part B	GTR15_Amd#5	←	←	←
B3. Reference fuels	GTR15_Amd#5	limited to EU specification	limited to JPN specification	harmonized
B6a. Ambient Temperature Correction for CO2	EU-WLTP	EU-WLTP	NA	EU-WLTP
B6b. Speed and distance correction for CO2	EU-WLTP	EU-WLTP	NA	EU-WLTP
B7/B8. Calculations	GTR15_Amd#5 Japanese Reg.	GTR15_Amend#5	Japanese Reg.	satisfy both Level 1A and 1B requirement
B8. EVs, FCHVs	GTR15_Amd#5	← + OVC-FCHV including interpolation method	GTR15_Amd#5	←



## 4. Overview of UNR WLTP (3)

Contents	main sources	00 series		01 series
		Level 1A	Level 1B	Level 2
C3. Type 4 test - Evaporative emissions	GTR19_Amd#2	←	←	←
C4. Type 5 test – Durability	UNR83 Japanese Reg.	UNR83 with slight modification	Japanese Reg.	UNR83 exclude bench ageing
C4 Appendix4. Special requirements for Hybrid Vehicles	UNR83	←	exclude	exclude
C5. On-Board Diagnostics (OBD)	UNR83 Japanese Reg.	←	←	←
<b>In service conformity</b>	<b>EXCLUDE from UNR-WLTP</b>			
		taken care by UNR83-08	NA	taken care by UNR83-08

## 4. Major Modifications from GTR15

for more detail, please refer WLTP-29-05e\_Appendix01

Contents	Brief Description	Applicable to		
		00 series		01 series
		Level 1A	Level 1B	Level 2
Regional Correction	speed trace and distance correction for ICE only	✓	NA	NA
	ambient temperature correction for CO2	✓	NA	with and without
Post-processing	add fuel efficiency (unit : km/L & km/kg) no utility factor for OVC-HEV	NA	✓	both
OBFCM	the devices for monitoring on board the vehicle the consumption of fuel and/or electric energy	✓	NA	✓
Inclusion of OVC-FCHV	same concept as OVC-HEV test procedure	✓	NA	NA
Adoption of the interpolation method for FCHVs	same concept as other categories (ICE, HEVs and PEVs)	✓	NA	NA

## 4. Major Modifications from GTR19

for more detail, please refer WLTP-29-05e\_Appendix01

Contents	Brief Description	Applicable to		
		00 series		01 series
		Level 1A	Level 1B	Level 2
Scope	modified to "engines fueled with petrol" from "positive ignition engines"	✓	✓	✓
	mono-fuel gas vehicle	NA	✓	✓
Puff loss overflow measurement	sampling start time was modified to "5" from "1" min. to ensure accurate measurement when using SHED method	✓	✓	✓

## 5. Status of Task Force / Sub-Group

TF/SG	Status	Next Actions
GTR 15 Amendment	<b>on going</b>	plan to submit Working document @ 81 <sup>st</sup> GRPE taking into account the comments made by India
Transposition to UNR	<b>on going</b>	plan to submit Working document for UNR83-08 @ 81 <sup>st</sup> GRPE
Durability	<b>COMPLETED</b>	
COP	<b>COMPLETED</b>	
SG-EV	<b>on going</b>	develop Low Temp. test procedure, then incorporate into Working document
Cycle/Gear Shift	<b>on going</b>	Cycle : re-open when HEV system power is available Gear Shift : plan to complete tool management
Low Temp.	<b>on going</b>	plan to submit Working document @ 81 <sup>st</sup> GRPE with collaboration of SG EV
OBD	<b>on going</b>	plan to submit Working document @ 81 <sup>st</sup> GRPE
New Open Issues	<b>COMPLETED</b>	

## 6. Outlook for 81<sup>st</sup> GRPE session in June 2020

Working Categories	Expected Actions
UNR83-08	✓ submit <b>Working Document</b> for approval
GTR15 Amendment6	✓ submit <b>Working Document</b> for approval
Low Temp. procedure	✓ submit <b>Working Document</b> for approval
OBD	✓ submit <b>Working Document</b> for approval
Future working activities – new set-up WLTP IWG	✓ submit Informal Document to consult with GRPE
IWG Meeting	✓ <b>request one and half day session for IWG meeting including SG-EV</b>