

Informal document **GRPE-76-25**
76th GRPE, 11-12 Jan. 2018,
agenda item 3(b)

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

Prepared by WLTP IWG

0. Content

1. WLTP Overall Progress
2. Overview of „Request for GRPE Approval“
3. Amendment 4 of GTR#15 + request to adopt
4. Procedure of future amendments
5. Amendment 1 of GTR#19 + request to adopt
6. Revised working schedule + request to endorse
7. Progress in the Task Forces
8. Outlook for GRPE-77

Seperate presentation:

9. Transposition into UN R (GRPE-76-24e/24a1e)

1. WLTP Overall Progress

- 2 Informal Working Group Meetings:
 - ❑ 20th IWG, 26-28 September, Seoul
 - Amendment 4 of GTR#15 (WLTP)
 - Amendment 1 of GTR#19 (EVAP)
 - ❑ 21rd IWG, 9 January, Geneva
 - Informal to amend Amd 4 of GTR#15
 - Informal to amend Amd 1 of GTR#19
 - Revised working schedule

- Request to GRPE-76:
 - ❑ Adopt amendments to GTRs #15 and #19
 - ❑ Endorse revised working schedule

2. Request for GRPE Approval

Working Items	Documentations	Next Actions
GTR #15 Amendment 4	ECE/TRANS/WP.29/GRPE/2018/2 (technical report : ECE/TRANS/WP.29/GRPE/2018/8) GRPE-76-xx : amending Amendment #4	<ul style="list-style-type: none"> ✓ Contents of GRPE-76-xx will be incorporated into Working Document and ✓ Submit Working Document to 175th WP.29 session (June 2018)
GTR #19 Amendment1	ECE/TRANS/WP.29/GRPE/2018/4 (technical report : GRPE-76-06e) GRPE-76-05e : editorial amendment	<ul style="list-style-type: none"> ✓ Contents of GRPE-76-05e will be incorporated into Working Document and ✓ Submit Working Document to 175th WP.29 session (June 2018)
PROLONGATION of Phase 2b activities		<ul style="list-style-type: none"> ✓ Provide letter to 174th WP.29 session (March 2018) ✓ Get job done based on new schedule

3-1. Amendment 4 of GTR#15

(Vehicle Exhaust Emissions and CO₂ measurement)

Working Document : ECE/TRANS/WP.29/GRPE/2018/2

- ✓ To improve the gear shifting procedures (n_{rated} , $n_{min_drive_up/down}$)
- ✓ To introduce bi-fuel and bi-fuel gas vehicles keeping in line with Regulation No. 83.
- ✓ To introduce the appropriate positioning of payload mass during road load determination.
- ✓ To exclude all Rechargeable Electric Energy Storage Systems (REESSs) that do not contribute to vehicle propulsion from monitoring.
- ✓ To improve the definitions, terminology and editorial correction.
- ✓ To define more specifically the difference in mass of CO₂ during charge sustaining between the test with the highest and lowest positive and negative electric energy charge.

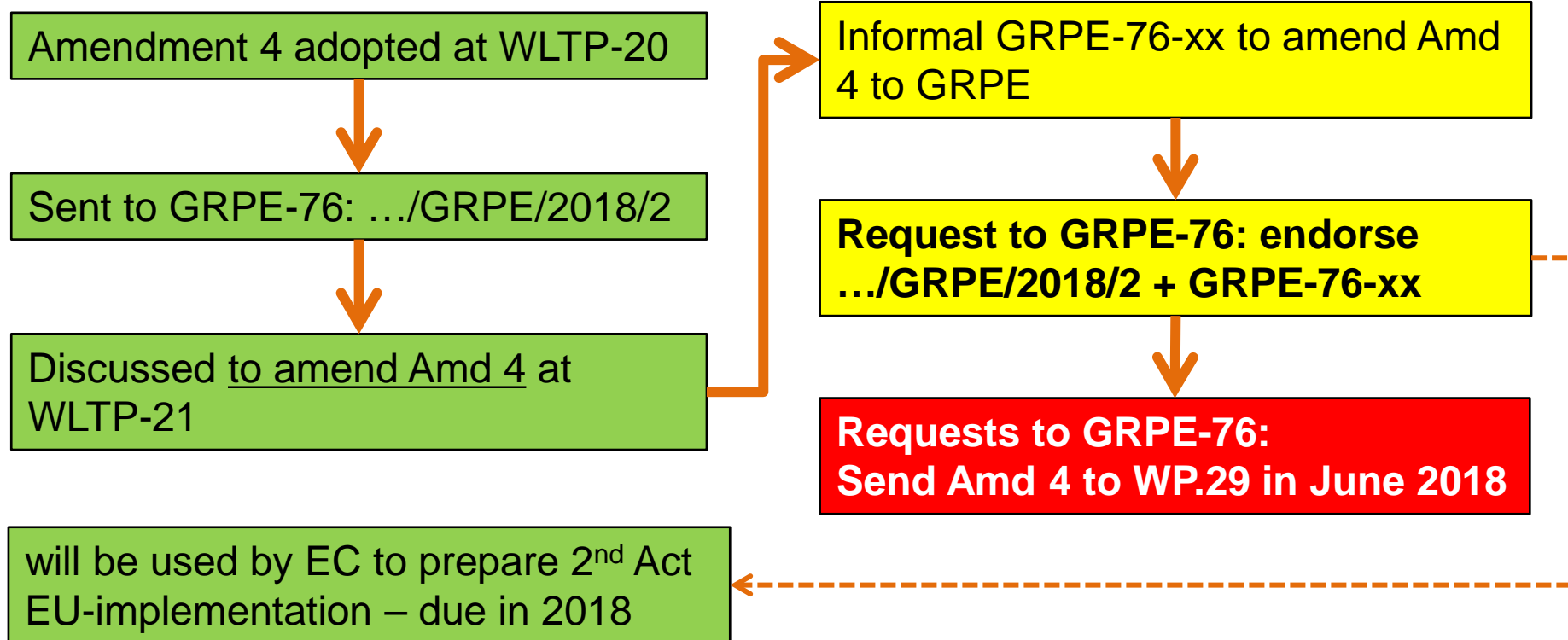
< complete list can be seen in WLTP-21-03e_Appendix >

3-2. Informal to amend GTR#15 Amd 4

Items	RESULTS	notes
Gear shift methodology	IN	WLTP-21-05_appendix1-Rev1
Dual axis dyno	OUT	will be IN after developed provisions of restrain system
Interpolation range <ul style="list-style-type: none"> - Minimum delta's as guidance - Other elements on minimum delta - Interpolation range 20% + 5g - Introduction mid-vehicle 	IN OUT IN OUT	Point (a) of Annex 4, 4.2.1.1.2. (Points (b), (c) and (d)) Annex 6, 2.3.2.2. (Annex 6, 2.3.2.4-5)
Permissible wind speed RL determination	IN	Annex 4, 4.1.1.1.1-2
Ki factor	IN	Annex 6, appendix 1
Drive trace index	IN	Annex 7, 7.2-3, CP option
Rolling resistance	TBD	GRPE: Keep original text or accept improvements
EV <ul style="list-style-type: none"> - run in - warm up 	IN OUT	Annex 8, 2 On agenda SG-EV

4-1. Procedure of future amendments

< Up till GRPE-76 >



4-2. Procedure of future amendments

< After GRPE-76 – in case of positive decision GRPE >

Amendment 5 will be prepared at
WLTP-22, -23, -24, [-25]

Aim amendment to GTR#15 once a
year, starting from June 2018 session
WP.29

Draft new working document
.../GRPE/2019/x to Jan 2019
GRPE
[and if necessary informal ...]

Amd 5: Jan 2019 GRPE
[Amd 6: Jan 2020 GRPE]
[Amd 7: Jan 2021 GRPE]

Note: flexibility if required or appropriate

Request January 2019 GRPE-78 to send Amd 5 to June 2019 WP.29

5. Amendment 1 of GTR#19

(Vehicle Evaporative Emission measurement)

Working Document : ECE/TRANS/WP.29/GRPE/2018/4

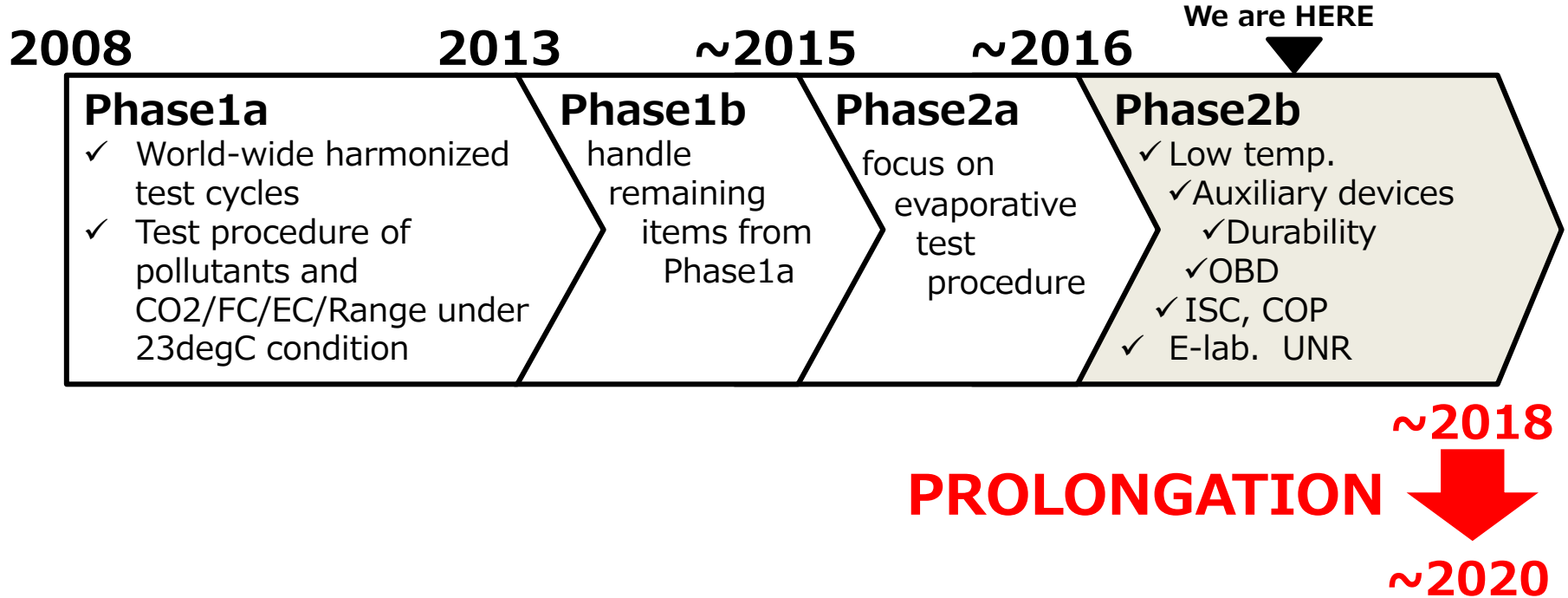
Major Amendments:

- ✓ To include sealed-tank system test procedure
- ✓ To improve the procedure of tyres baking (vehicle preparation)
- ✓ To clarify witness by type approval authority
- ✓ To clarify BWC(Butane Working Capacity) measurement

Informal Document : GRPE-76-05e

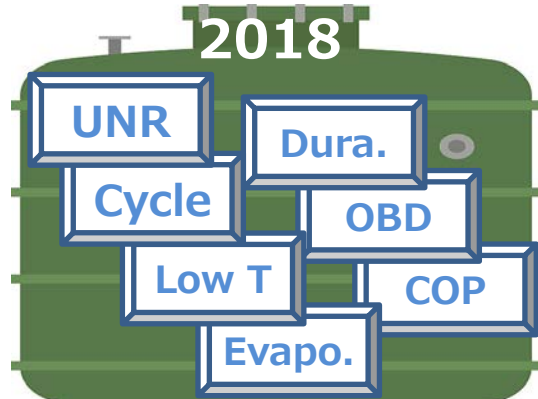
Editorial amendments will be incorporated into
ECE/TRANS/WP.29/GRPE/2018/4

6-1. Revised working schedule



6-2. Justification of Phase2b prolongation

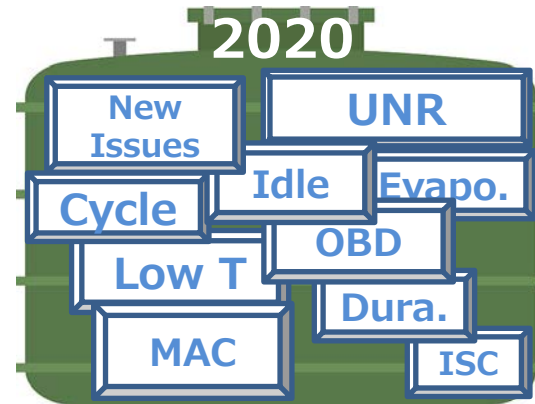
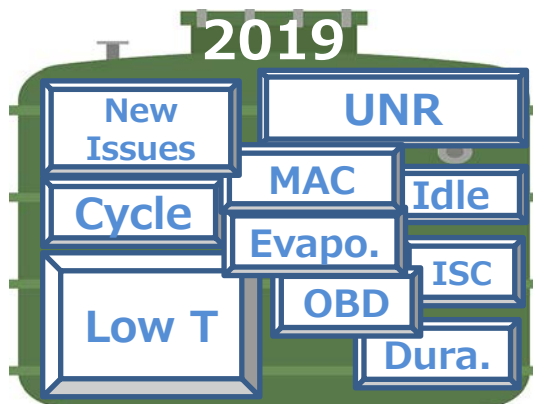
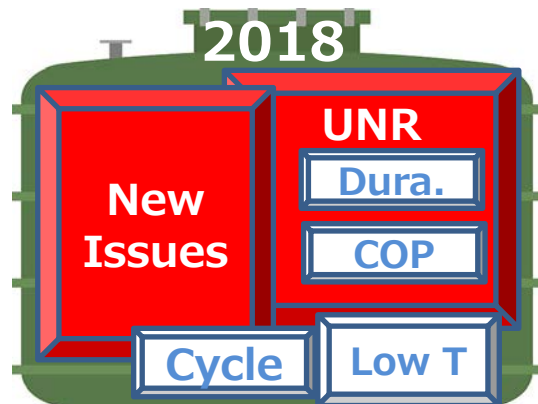
Original :
ECE/TRANS/WP.29/2016/29



- ✓ New Issues (revealed during homologation process in EU and Japan) need to be solved in urgent
- ✓ Development of "UNR_WLTP" need more resources than expected
- ✓ WLTP IWG member accepted 2 years extension taking into account of their demands

EXTEND by **TWO YEARS**

PROPOSAL



7. Status of each TF

✓ Please refer WLTP-21-07e for each TF progress

https://wiki.unece.org/download/attachments/51972955/WLTP-21-07e_Current%20Status_rev1.pdf?api=v2

8. Outlook for GRPE-77

Working Categories	Expected Actions
Transposition to UNR	✓ progress report and may ask guidance for improvement
New Issues	✓ provide Informal document for GTR#15_amd#5
Other TFs	✓ report latest status
GTR Amendment	✓ no document is expected
IWG Meeting	✓ request more than 1 day session