



Update from RDE IWG

GRPE June 2020

**From the sponsors:
European Union
Japan
Korea**

Summary

- *During GRPE meeting in June 2018, EU, Japan and Korea requested the creation of an RDE IWG and the proposal was accepted.*
- *Creation of RDE IWG accepted by AC.3 in its June 2018 meeting*
- *1st milestone achieved by submission of UNR RDE proposal in March 2020*
- *Work on GTR RDE continues*

Meetings

The group met on:

- 1. 11-12 September 2018 in Brussels**
- 2. 27-28 November 2018 in Brussels**
- 3. 9 January 2019 in Geneva**
- 4. 1-2 April 2019 in Tokyo**
- 5. 22 May 2019 in Geneva**
- 6. 9-10 July 2019 in Vienna**
- 7. 30-31 October 2019 in Seoul**
- 8. 14-15 January 2020 in Geneva**
- 9. 25-26 February 2020 in Ispra (webex due to COVID)**
- 10. 9-10 March 2020 (webex)**
- 11. 27, 29 May 2020 (webex)**

UNR RDE-1

- *A draft for UN Regulation was prepared by EU and Japan based on the most recent version of the RDE Regulations in EU and Japan*
- *Proposal was discussed in Seoul, Geneva and all subsequent meetings with RDE IWG*
- *The proposal for the UN Regulation was submitted by EU and Japan in March 2020 as **ECE/TRANS/WP.29/GRPE/2020/15***
- *Further improvements via Informal Document **GRPE-81-16***

UNR RDE-2

- *Improvements made in:*
 - **Definitions**
 - **Text logic**
 - **Testing facilitation**
- *Common boundaries developed that reflect both EU and Japan conditions*

Moderate altitude conditions	Altitude lower or equal to 700 meters above sea level.
Extended altitude conditions	Altitude higher than 700 meters above sea level and lower or equal to 1300 meters above sea level.
Moderate temperature conditions	Greater than or equal to 273.15 K (0 ° C) and lower than or equal to 308.15 K (35 ° C).
Extended temperature conditions	Greater than or equal to 266.15 K (– 7 ° C) and lower than 273.15 K (0 ° C) or greater than 308.15 K (35 ° C) and lower than or equal to 311.15 K (38 ° C).

UNR RDE-3

- *One RDE trip to check both against 4 phase WLTC and EU emission limits and 3 phase WLTC and Japanese emission limits*
- *If one trip is not valid for both 4 and 3 phases evaluation, then a second trip is needed*
- *Appropriate speed bins defined for both 4 and 3 phase evaluation*
- *Single data reporting file created and will be found in the same space as the UNR RDE*
- *Information package developed*

UNR RDE-4

- *Table A7/1 with u values recalculated*
- *Methodology developed to analyse single trip for 3 phase WLTC by cutting all points higher than 100 km/h*
- *Issue with PEMS Margin for NO_x [0.43]*
 - **Currently under discussion in EU due to a court decision**
 - **Request to transmit the text to WP29 with PEMS margin NO_x [0.43] pending the decision in EU**

GTR Status report

- *GTR being developed to be appropriate for many CPs*
- *Decision in February to focus on the UNR*
- *Develop the GTR according to the same structure and making use of the developments made in the UNR*
- *Work on GTR will continue in September*
- *Aim to submit Working Document for January 2021*

Summary:

- *Work progresses well and UNR RDE submitted in time for June 2020 GRPE*
- *GTR will be reformatted according to the new structure and developments in UNR*
- *Items still missing, like PM method*
- *Aim to submit it for January 2021 GRPE session*
- *Second phase of development will start in 2021*



Thank you for your attention!

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