

**Progress Report of the
VIAQ (Vehicle Interior Air Quality)
Informal Working Group**

PARIS, March 28-29th 2018

Chair: Andrey KOZLOV, Russian Federation

Co-Chair: Jongsoon LIM, The Republic of Korea

Secretary: Mark POLSTER, Ford

During 173rd WP.29 session in Geneva (14-17 November 2017) Proposal for a new Mutual Resolution (M.R.3) for of the 1958 and the 1998 Agreements concerning Vehicle Interior Air Quality (VIAQ) was adopted (ECE/TRANS/WP.29/2017/136)

United Nations

ECE/TRANS/WP.29/2017/136



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World Forum for Harmonization of Vehicle Regulations

173rd session

Geneva, 14-17 November 2017

Item 8.4 of the provisional agenda

Other business:

Consideration of proposals for a new mutual resolution

Proposal for a new Mutual Resolution (M.R.3) of the 1958 and the 1998 Agreements concerning Vehicle Interior Air Quality (VIAQ)

Submitted by the Working Party on Pollution and Energy*

The text reproduced below was recommended by the Working Party on Pollution and Energy (GRPE) at its seventy-fifth session (ECE/TRANS/WP.29/GRPE/75, para. 49). It is based on ECE/TRANS/WP.29/GRPE/2017/10 amended by GRPE-75-02-Rev.1 as reproduced in Addendum 2 to the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Executive Committee (AC.3) of the 1998 Agreement for consideration at their November 2017 sessions.

● VIAQ ToR and Mandate for the Second Stage

- ✓ The Chair of the IWG on Vehicles Interior Air Quality (VIAQ) presented a status report on the ongoing activities of the group (GRPE-76-35). He recalled that the original mandate of the group ended in November 2017. He highlighted the conclusion of the work by the tabled proposal for a new Mutual Resolution on recommendations to harmonize test procedures of interior air emissions generated from interior materials (ECE/TRANS/WP.29/2017/136) which was adopted by WP.29 and AC.3 during 173rd WP.29 session in Geneva (14-17 November 2017). He recalled that WP.29 endorsed the extension of the mandate of the IWG on VIAQ until November 2020 to extend the work and consider not only emissions generated by interior materials, but also gases from other sources that enter into the vehicle cabin.
- ✓ As Chair for the new stage of the IWG on VIAQ, the expert from the Russian Federation highlighted the existing standards on VIAQ in his country. He presented the revised Terms of Reference for the IWG on VIAQ (GRPE-76-27) which were adopted by GRPE

➤ **11th VIAQ IWG Meeting**

- Geneva, Switzerland, January 10th 2018
- Half a day

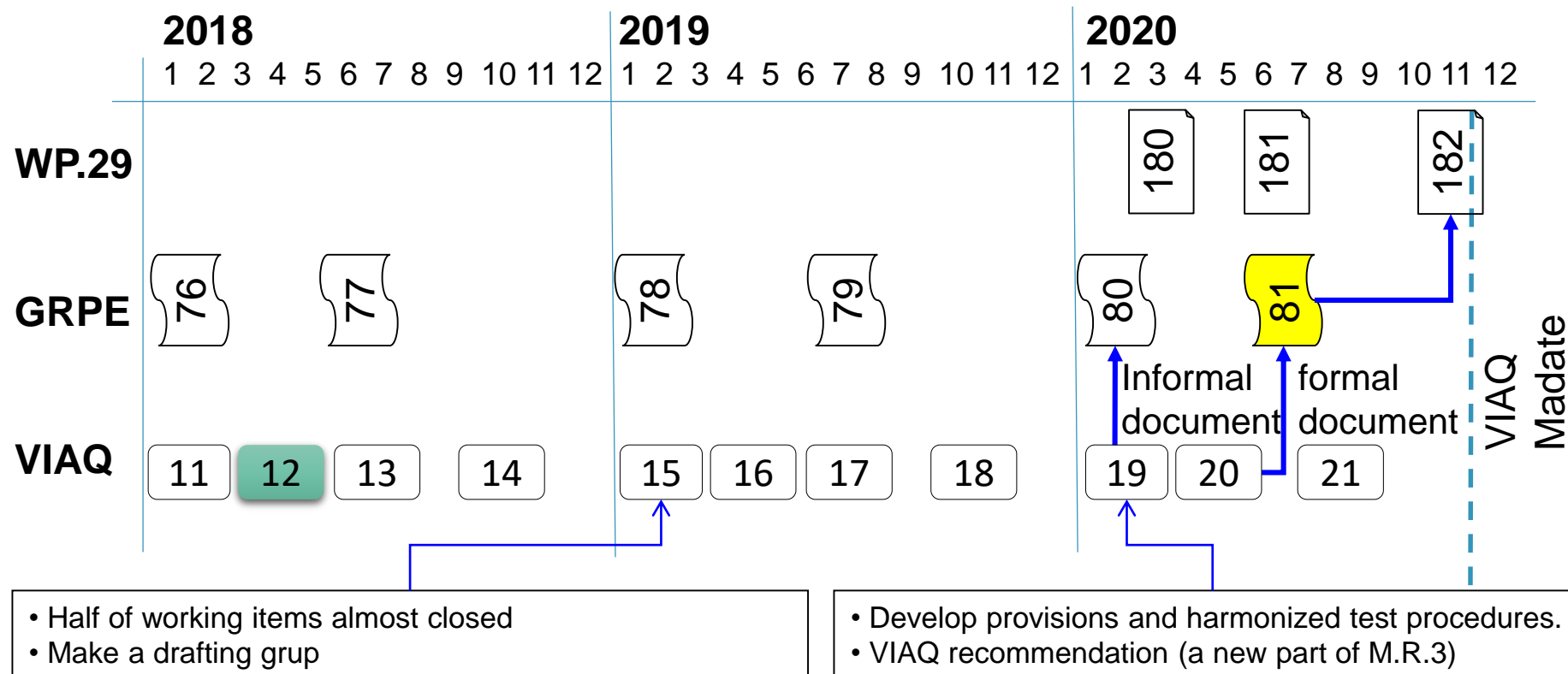
● Objective

- ✓ The VIAQ informal working group will have an open structure which will enable the exchange of information and experiences on relevant regulations, policy measures and harmonization efforts.
- ✓ This proposal expands on the issues of the vehicle interior air quality, addressing exhaust gases entering into vehicle cabin air, to develop a test procedure in a recommendation by including Part 3 in the Mutual Resolution No. 3.

● Terms of reference

- ✓ Identify and collect the information and research data on interior air quality and its relevance for vehicles, taking into account the activities being carried out by various governments, and non-governmental organizations.
- ✓ Identify and understand the current regulatory requirements with respect to vehicle interior air quality in different markets.
- ✓ Identify, review and assess existing test procedures suitable for the measurement of harmful substance into the vehicle cabin (including test modes, sample collection methods and analysis methods, etc.)
- ✓ Develop provisions and test procedures in a recommendation by including Part 3 in the Mutual Resolution No. 3.

● Timeline



- **January 2020:** Submit the draft document to GRPE
- **June 2020:** Adoption of the draft document by GRPE
- **November 2020:** Adoption of the draft document by WP.29

1. Vehicle Category (agreed)

2. Test Vehicle age/millage

3. Substances to be Measured

4. Meteorological Conditions

5. Test Conditions

6. Test Modes

7. HVAC Modes

8. Test Procedure

9. Measurement Methods

10. Sampling Points

11. Sampling Method

12. Test Protocol

- **13th VIAQ IWG Meeting (TBD)**
 - Geneva, Switzerland, June 2018, during 77th GRPE session
 - Half a day

- **14th VIAQ IWG Meeting (TBD)**
 - Moscow, Russia, October/November 2018
 - 2 days