

Informal document **GRPE-76-35**  
76<sup>th</sup> GRPE, 9-12 January 2018  
Agenda item 12

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

GENEVA, January 12th 2018

Chair: Andrey KOZLOV, Russian Federation

Co-Chair: Jongsoon LIM, The Republic of Korea

Secretary: Mark POLSTER, Ford

In accordance with **WP.29 Mandate** (ECE/TRANS/WP.29/1112, para 133) was developed a new Mutual Resolution №3) to harmonize test procedures of interior air emissions emitted/generated from interior materials

During 173<sup>rd</sup> 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) is adopted (ECE/TRANS/WP.29/2017/136)

United Nations

ECE/TRANS/WP.29/2017/136



**Economic and Social Council**

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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

173<sup>rd</sup> 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.

## ➤ **10th VIAQ IWG Meeting**

- Geneva, Switzerland, November 10<sup>th</sup> 2017
- One day

## ➤ **11th VIAQ IWG Meeting**

- Geneva, Switzerland, January 10<sup>th</sup> 2018
- Half a day

## ● VIAQ Background, ToR and Mandate

- **WP.29 Mandate** (ECE/TRANS/WP.29/1131, para 44)
  - WP.29 endorsed the extension of the mandate of the IWG on VIAQ until November 2020 to extend the work to consider not only emissions generated by interior materials, but also gases from other sources that enter into the vehicle cabin
  - WP.29 noted that a first draft of the updated terms of reference and rules of procedure was submitted by the IWG on VIAQ at the June 2017 GRPE session (GRPE-75-14) and that a final version is expected to be considered by GRPE at its **January 2018** session
  
- **Final Version of VIAQ Terms of Reference** (GRPE-76-27)
  - Final version of the updated terms of reference and rules of procedure for this second stage of the work is submitted to 76<sup>th</sup> GRPE session

## ● Informal documents (GPRES-76-27)

### ➤ Terms of Reference for the second stage (Final version)

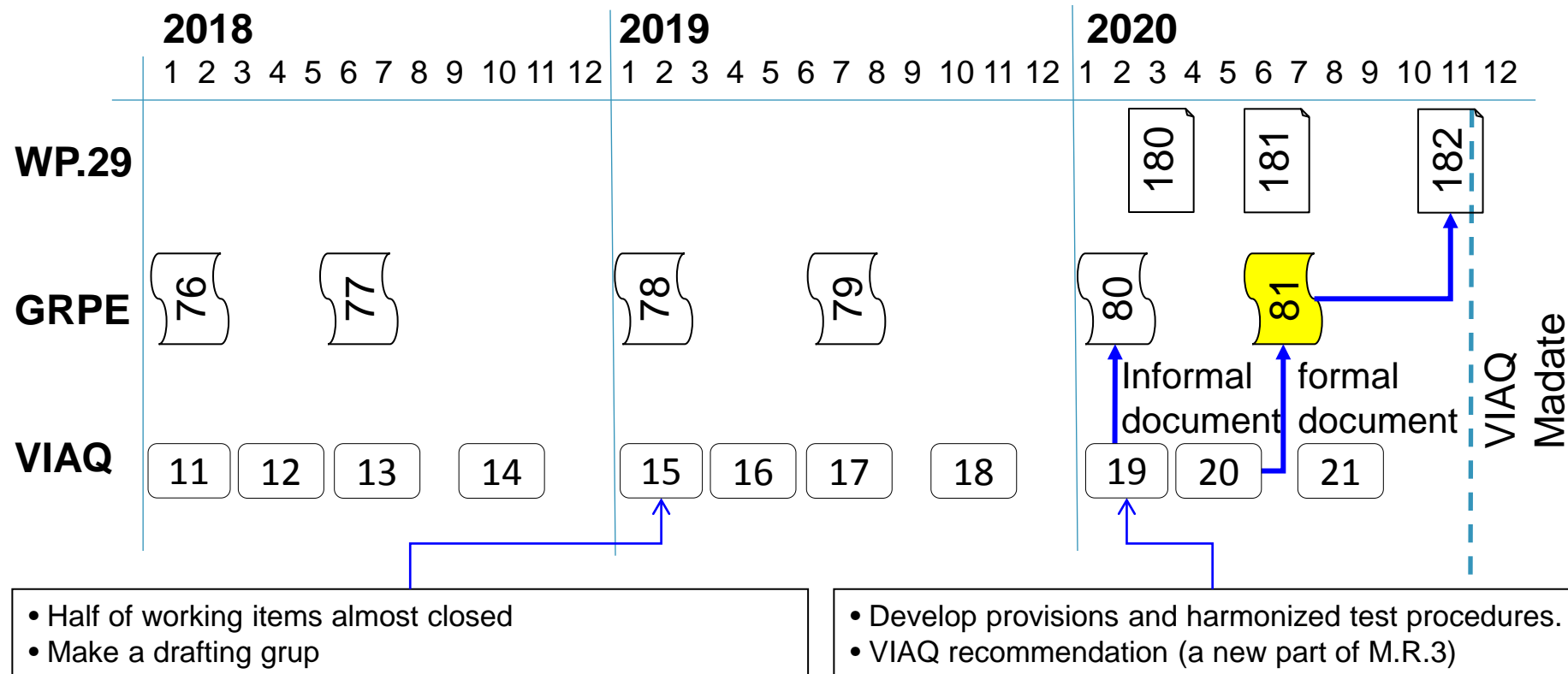
#### ✓ Objective

- 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.

#### ✓ End of mandate : November 2020

#### ✓ New leadership team : Chair (Russia), Co-chair (Korea), Secretary (OICA)

## ● 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

## ● Scope and work items (Informal documents GPRE-76-27)

### 6.1. Interior air emissions emitted from interior materials

- a) Continue to work, review, and assess the harmonized test procedures
- b) Update the interior emissions sections for the Mutual Resolution

### 6.2. Exhaust gases entering into vehicle cabin air

- a) Collect the information and research data on relevant and similar issues, and understand the current regulatory requirements with respect to vehicle interior air quality in different markets
- b) Review, assess and develop new test procedures suitable for the measurement methods of exhaust gases entering into the vehicle cabin (including test modes, sample collection methods and analysis methods, etc.)
- c) Discuss the potential of harmful substances in the vehicle interior air with toxicologists (e.g. WHO)
- d) Develop a draft for test procedures in a recommendation

**1.Vehicle Category**

**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**



➤ **12<sup>th</sup> VIAQ IWG Meeting**

- Paris, France, 28-29 March 2018
- 1 full day and 1/2 day

➤ **13<sup>th</sup> VIAQ IWG Meeting (TBD)**

- Geneva, Switzerland, June 2018, during 77<sup>th</sup> GRPE session
- Half a day

➤ **14<sup>th</sup> VIAQ IWG Meeting (TBD)**

- Moscow, Russia, October/November 2018
- 2 days