Status report of the VIAQ (Vehicle Interior Air Quality) Informal Working Group

Report to the 71st GRPE session

Chair: JongSoon Lim, The Republic of Korea
Secretary: Andreas Wehrmeier, OICA
VIAQ IWG Meeting since last GRPE

- Kick-off VIAQ IWG Meeting
  - Paris, France, 17th March 2015

- 1st VIAQ IWG Meeting
  - Geneva, Switzerland, 10th June 2015
VIAQ Background

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- VIAQ issue was raised at the initiative from the Republic of KOREA
- The proposal was discussed in GRPE and WP.29 in 2013-2014
- **WP.29 Mandate** (ECE/TRANS/WP.29/1112)
  - AC.3 endorsed the proposed action plan to, in a first stage, collect information, review existing standards and develop recommendations.
- **GRPE Adoption** (ECE/TRANS/WP.29/GRPE/70)
  - GRPE adopted the proposals for terms of reference to the IWG on VIAQ as reproduced in Annex VI of this report.
Topics/Issues

VIAQ Organization

- Chair: JongSoon Lim, The Republic of Korea
- Secretary: Andreas Wehrmeier, OICA

Review of VIAQ Terms of Reference

- The scope of the work is to develop a recommendation to harmonize test methods of interior air emissions emitted/generated from interior materials
● **Work Items**

- **Collect Information, Exchange Views on VIAQ Existing Standards**
  - Introduction of National standards from Korea, China, Russia and international standard (ISO) by CPs
  - Comparison of Measurement Methods from OICA

- **Work Items**
  - **Test Measurement Modes**
    Consider on test mode suitable for the interior air emission to proceed with
  - **Target Measurement Substances**
    Many relevant substances(e.g. VOCs) with regard to Interior air quality
    Target measurement substance is required firstly
Understanding Current VIAQ Test Methods

- **Korea VIAQ Test Method**
  - Cabin Temp: 25°C ± 2°C
  - Temp stabilize: Min 12 hr
  - Ventilation: 30 min
  - Close door: 2 hr
  - Sampling: 15 min

- **ISO 12219-1 VIAQ Test Method**

- **China VIAQ Test Method**

- **Russian VIAQ Test Method**
Roadmap, Timeline

● Roadmap

2015
1  2  3  4  5  6  7  8  9  10 11 12

2016
1  2  3  4  5  6  7  8  9  10 11 12

2017
1  2  3  4  5  6  7  8  9  10 11 12

WP.29

GRPE

VIAQ

• Collect information and review existing test procedures
• Decide on test mode suitable for the interior air emission

• Draft a new recommendation/Resolution
• Develop provisions and harmonized test procedures.

Kick-off  1  2  3  4  5  6

In informal document
formal document

➢ January 2017 : Present a final draft report as an informal document to GRPE
➢ November 2017 : Possible adoption of Recommendation(R.E.3, SR1 or mutual resolution)
Next VIAQ IWG Meeting

- **2nd VIAQ IWG Meeting**
  - Paris, France, Week of November 2\textsuperscript{nd}, 2015

- **3rd VIAQ IWG Meeting**
  - Geneva, Switzerland, January 2016 during 72\textsuperscript{nd} GRPE
  - Half a day requested