Transmitted by the experts of TF-MU

Informal document **GRBP-70-15**
(70th GRB, September 11-13, 2019, agenda item 4.)

**TF-MEASUREMENT UNCERTAINTIES (MU)**

**STATUS REPORT TO GRBP-70 (*SEPTEMBER 2019*)**
AFTER THE 1ST SESSION ON MAY 2019
Measurements uncertainties (MU)

- Introduced during last GRBP meeting January 2019 (TF-VTNU → TF-MU)
- Task force TF-MU 1st meeting: 22-23 May, 2019 in Brussels

  Attendees:
  - EC, France, Germany, Japan, Norway, Spain,
  - ACEA, ETRTO, IMMA, ISO, OICA

- For the time being as TF to GRBP

- Documents available on UNECE website:
  [https://wiki.unece.org/display/trans/Measurement+uncertainties](https://wiki.unece.org/display/trans/Measurement+uncertainties)
General considerations

- Have to be taken into account:
  - Conformity of production (CoP)
  - In-Service compliance
  - Market surveillance (EU)

Uncertainties have an increasing influence due to the reduction of limit values

Any boundary decisions must incorporate the uncertainties
Topics to be worked

- Improvement of test methods
- Compensation if possible (systematic errors)
- Remaining uncertainties (random)
- [Management of the conclusion by taking into account or not uncertainties for homologation]
Scope & Strategy (GRBP)

- To consider MU for both Noise and other Tyres issues

- 1st step with a general approach to make possible to transverse this topic to all regulatory domains

- 2nd step with amendments in the regulations or other documents

- A list of influence factors must be done in a pragmatic way

- With the support of ISO works on Uncertainties, on Test tracks, etc ...
What could be the other documents than Regulations?

- Document for reference only
- RE.3 through a general way how to determine the uncertainties for all regulations
- A Practice guide with compensation/correction factors
- Revision of the test methods in existing regulations
- ....

Decision could be done later from discussions with members of other GRs.
Conclusion:

- **Approach in 2 steps:**
  - General concept/strategy goal
  - Amendments per regulation or other documents

- **Time schedule:**
  - A skeleton of proposal in January 2020
  - A proposal of amendment for September 2020
  - To be started with UN-R51-03 and if possible UN-R117 only for Rolling Sound
  - The work has to be done in parallel on these 2 regulations

- **Will be presented at:**
  - GRBP-70 September 2019
  - AC.2 of WP.29, November 2019
Next steps

- Structure of the group: to be kept as a TF or should it become an IWG?

- Management
  - Chair(s): ?
  - Secretariat: OICA
THANK YOU