

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
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- Documents available on UNECE website:
<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
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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