

Transmitted by the Chair of TF MU

Informal document GRBP-71-04
(71st GRBP, January 28-31, 2020,
agenda item 3)

TASK FORCE MEASUREMENT UNCERTAINTIES (TF MU)

**STATUS REPORT TO GRBP-71 (JANUARY 2020) AFTER THE 3RD
MEETING ON 8-9 JANUARY 2020**

●●● Measurements uncertainties (MU)

- The Task Force Measurement Uncertainties had two meetings since 70th session of GRBP (September 2019)

- TF MU 2nd meeting: 28-29 October 2019 in Brussels

Attendees:

- EC, France, Germany, Japan, The Netherlands, Norway, Spain,
- ACEA, ETRTO, ISO, OICA

- TF MU 3rd meeting: 8-9 January 2020 in Brussels

Attendees:

- EC, France, Japan, Norway
- ACEA, ETRTO, ISO, OICA, IDIADA

- All documents of TF MU are available on UNECE Website: [Link](#)

●●● General considerations

- At its 2nd and 3rd meeting TF MU developed and approved Guidelines for its work
 - The aim of Task Force is to propose harmonized measures for evaluating systematic errors and random errors to improve the test procedures for at least UN Regulation No. 51.03 and No. 117.04 (for Rolling Sound emissions only) to reduce measurement uncertainties.
 - The Task Force will be chaired by Norway.
 - OICA will act as Secretary.



Objectives

1. The Task Force shall develop and propose harmonized measures for evaluating systematic errors and random errors based on ISO5725 and GUM 98-3.
2. The scope and purpose of the Task Force should cover at least UN Regulation No. 51 and No. 117. The Task Force shall develop harmonized technical requirements for these UN Regulations with consideration to their test procedures.
3. The Task Force shall, where appropriate, develop a practice guide for compensation and/or correction factors.
4. A general approach shall then be made in such a way that it is possible to use it to improve test procedures in other UN Regulations. This approach could be either documented in the Consolidated Resolution on Construction of Vehicles (R.E.3) or as a Document for reference.
5. The Task Force shall report to GRBP.



Timeline

The aim of the Task Force is to present

- a. during the 71st GRBP in January 2020 a skeleton of the general concept and the strategy approach as an Informal document for consideration
- b. during the 72nd GRBP in September 2020 a Draft document for Reference and an Informal document for amendments to UN Regulation No 51 and No 117
- c. during 73rd GRBP in January 2021 a Working document for amendments to UN Regulation No 51 and No 117 for consideration and adoption
- d. during 73rd GRBP in January 2021 a Working document containing general Guidelines for how to improve test procedures in other UN Regulations to reduce measurement uncertainties for consideration and adoption.

71st session of GRBP

- At the 71st session of GRBP the Task Force presents the following Informal documents:
 - Status Report
 - Guidelines for the work of the Task Force
 - Proposal for assessment and handling of Measurement Uncertainties

Next steps

- To be able to fulfil the Timeline the Task Force decided at its 3rd meeting to organize the following meetings during 2020:

4th Meeting: 11th to 12th March (OICA, Paris)

5th Meeting: 28th to 29th April (tba, Brussels)

6th Meeting: 1st to 2nd July (SINTEF, Trondheim)

(Date for the 6th meeting to be approved)

7th Meeting: 5th to 7th October (tba, Brussels)

THANK YOU