# ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Noise and Tyres (GRBP)

Task Force Measurement Uncertainties (TF MU)

**Draft Agenda of the 10th meeting of the Informal Working Group**

**Measurement Uncertainties (IWG MU)**

**WebEx only !**

**April 22, 2021 starting at 1:00 pm ending at 4:00 pm CET**

**Web conference:** 🡪 [Click here to join the meeting](https://teams.microsoft.com/l/meetup-join/19%3Ameeting_NzRkNWYzYmYtMTgxOS00MGI5LTlmZTUtNzE0NDIwNWM1ZGIw%40thread.v2/0?context=%7b%22Tid%22%3a%223bc062e4-ac9d-4c17-b4dd-3aad637ff1ac%22%2c%22Oid%22%3a%22ae188048-1db7-4565-889c-bdb297e8defc%22%7d)

Additional information about how to join see below!

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|  |  | Working Documents\* Documents not yet available |
|  | Welcome and opening remarks |  |
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|  | Introduction of participants and organizations |  |
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|  | Adoption of the agenda | IWGMU-10-01\* |
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|  | Approval of the Draft Report of the 8th meeting | TFMU-09-04\* |
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|  | Review of revised ToR for IWG on Measurement Uncertainties | [GRBP-73-16](http://unece.org/sites/default/files/2021-01/GRBP-73-16e.docx) |
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|  | Strategic approach to handle uncertainties in UN Regulations* Review Status report
* Review of documents, presented at 9th meeting of IWG MU
 | [GRBP-73-14](http://unece.org/sites/default/files/2021-01/GRBP-73-14e-Rev.1.pptx) |
| The Task Force agreed: * the measurement uncertainties shall be minimized, e.g. by narrowing ambient and test conditions or by correction
* any residual uncertainty shall be covered by tolerances

Possible measures for minimizing measurement uncertainties are:* Narrow the application range to minimize external influences
* Introduce compensation models
* Apply tolerances
* Statistical compliance
* Repeat measurements under type approval conditions
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|  | Review of documents, to be discussed at the 10th meeting* Open issues
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| Based on [IWGMU-06-02](https://wiki.unece.org/download/attachments/101553572/IWGMU-06-02%20%28OICA%29%2020200703_status_justification_quantity_values_mod.pptx?api=v2) and [IWGMU-06-06](https://wiki.unece.org/download/attachments/101553572/IWGMU-06-06%20%28HCV%29%20Measurement%20Uncertainty%20estimation%20DRAFT%202020-10-06.pptx?api=v2) the Informal Working Group agreed that each expert is requested to check again* the listed
* the given values
* missing uncertainties
* the validation for both test procedures according to UN Regulation No. 51.03, Annex 3, §3.1.2.1. and §3.1.2.2.?
* Experts on HCV are requested to report of their present status of their work on HCV related uncertainties as listed in [IWGMU-08-04](https://wiki.unece.org/download/attachments/117506324/IWGMU-08-04%20MU%20HCV%20Calculation%20sheet%20-%20DRAFT.xlsx?api=v2).
* Continue the discussions on
	+ the IWG MU proposal [GRBP-73-17](http://unece.org/sites/default/files/2021-01/GRBP-73-17e.docx) – Ambient Conditions (UN R No. 51.03)
	+ the OICA proposal [IWGMU-07-04 Rev.1](https://wiki.unece.org/download/attachments/109352335/IWGMU-07-04%20Rev.1%20%28IWG%20MU%29%20Vehicle%20selection%20and%20preparation%20for%20testing%20-%20Proposal%20for%20Revised%20UN%20R51.03%20text%20_R1.docx?api=v2) – Vehicle selection and preparation for testing (UN R No. 51.03)
	+ the ETRTO proposal [IWGMU-07-02](https://wiki.unece.org/download/attachments/109352335/IWGMU-07-02%20%28ETRTO%29%20Tyre%20Temperature%20%26%20Aging%20%20Effect%20on%20UN%20Reg.%2051.03.pdf?api=v2) – Tyre Temperature & Aging Effects (UN R No. 51.03)
	+ the IWG MU proposal [GRBP-73-15](http://unece.org/sites/default/files/2021-01/GRBP-73-15e.docx) – DRAFT DOCUMENT OF REFERENCE: A GENERAL APPROACH TO ESTIMATE MEASUREMENT UNCERTAINTIES
* Based on the discussions prepare Working documents to be submitted to the 74th session of GRBP
* Status Report to be presented at the 74th session of GRBP
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|  | Exchange of information on national and international requirements* Uncertainties context:
* For Type approval authorities
* For COP
* For In-use compliance and market surveillance
 | [UN Regulation No 51.03](http://www.unece.org/fileadmin/DAM/trans/main/wp29/wp29regs/2016/R051r3e.pdf)[UN Regulation No 117.04](http://www.unece.org/fileadmin/DAM/trans/main/wp29/wp29regs/2016/R117r4e.pdf)[Regulation (EU) 2018/858](https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32018R0858&from=EN) |
|  |
|  | Actions on uncertainties – Next steps |  |
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|  | Characterization of test tracks variation using PSD of texture* Status report
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|  |
|  | Characterization of temperature compensation acc to CPX method* Status report
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|  | Identification of open issues/ problems |  |
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|  | Follow up of project and milestones* Key elements / Planning
 | [GRBP-73-16](http://unece.org/sites/default/files/2021-01/GRBP-73-16e.docx) |
| **GRBP-73-16****D. Timeline** 1. The aim of the Informal Working Group is to present * 1. during the 73rd GRBP in January 2021 a Draft document for Reference and an Informal document for amendments to UN Regulation No 51 ~~and No 117~~
	2. during 74th GRBP in September 2021 **an Informal document for amendments of UN Regulation No. 117 and** a Working document for amendments to UN Regulation No 51 ~~and No 117~~ for consideration and adoption
	3. during 74th GRBP in September 2021 an Informal Working document containing general Guidelines for how to improve test procedures in other UN Regulations to reduce measurement uncertainties for consideration.
	4. during 75th GRBP in January 2022 a **Working document for amendments to UN Regulation No. 117 and a** Working document containing general Guidelines for how to improve test procedures in other UN Regulations to reduce measurement uncertainties for consideration and adoption.

The changes are marked in **bold** and strike through for deleted text. |
|  | Agenda for 11th meeting |  |
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|  | Next meeting(s) |  |
| * **Official meetings of 11th next IWG MU:**
* **?? May 2021 starting at 1:00 pm ending at 4:00 pm CET**
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|  | Adjourn |  |
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All documents of this Task Force (TF MU) will be available via the UNECE website: [Link](https://wiki.unece.org/pages/viewpage.action?pageId=92012814&src=contextnavpagetreemode)

**Additional information for how to join the Microsoft Teams meetings:**

**Thursday: 22 April 2021 from 1:00 pm to 4:00 pm CET**

**Join on your computer or mobile app**

[Click here to join the meeting](https://teams.microsoft.com/l/meetup-join/19%3Ameeting_NzRkNWYzYmYtMTgxOS00MGI5LTlmZTUtNzE0NDIwNWM1ZGIw%40thread.v2/0?context=%7b%22Tid%22%3a%223bc062e4-ac9d-4c17-b4dd-3aad637ff1ac%22%2c%22Oid%22%3a%22ae188048-1db7-4565-889c-bdb297e8defc%22%7d)

**Or call in (audio only)**

+46 8 505 252 11,,228474790#   Sweden, Stockholm

Phone Conference ID: 228 474 790#

[Find a local number](https://dialin.teams.microsoft.com/9b97197b-f0e0-424c-bf77-020a52bc1937?id=228474790) | [Reset PIN](https://mysettings.lync.com/pstnconferencing)