

18th meeting of the Consultative Committee for Mass and Related Quantities

20-21 May 2021

Bureau
↑ **I**nternational des
↑ **P**oids et
↑ **M**esures

↑↑↑ **CCM**



2. News from the CIPM and the BIPM.

- News from the CIPM
 - CC Presidents re-appointed
 - CIPM Task Group on the Digital SI
 - CIPM Strategy
 - CIPM Rules of Procedure
- News from the BIPM (*Martin Milton, BIPM Director*)

3. CCM Working Group on Strategy and MRA coordination (I).

- CCM-WGS meeting on 21 April 2021
- Review of the CCM action plan 2019-2020 and 2021-2022
 - CCM 4/2021: Organization of the 2nd KC of realizations of the kilogram
 - CCM 6/2021: Major revision of the CCM Strategy 2021-2031
 - CCM 3/2022: Final Report of the 2nd KC of realizations of the kilogram
 - CCM 5/2022: Calculation of the consensus value; information to CCM
 - CCM 6/2022: Simplification & reduction of number of CMCs and use of quantity-based CMC equations (each WG)
 - CCM 7/2022: Specific guidance for Submission and Review of CMCs (each WG)

3. CCM Working Group on Strategy and MRA coordination (II).

- Reports from JCRB and KCDB
- Next major revision of the CCM Strategy document
 - Use of the new CC Strategy template
 - Based on seven “grands challenges” in the proposed strategy on the “Evolving needs in metrology” prepared by the CIPM Sub-Committee
 - Creation of a Task group to work on a skeleton of the document; two meetings scheduled in June and July
 - Complete document expected end 2021

10. Decisions and actions: KCs

- CCM.D-K1 Density of a silicon sphere (repetition)
- CCM.D-K2 Liquid density (repetition)
- CCM.D-K4 Hydrometer calibrations (repetition)
- CCM.FF-K5.2016 High pressure gas flow
- CCM.FF-K1.2019 Microflow of water
- CCM.F-K1
- CCM.T-K3
- CCM.G-K2.2023
- CCM.M-K8 Kilogram realizations (repetition)
- CCM.M-K4 (repetition)
- CCM.M-K7 (repetition)

10. Decisions and actions: CCM.M-K8

- Measurements at NMIs: September- December 2021
- Comparison measurements at BIPM: January - February 2022
- Draft A report: June 2022
- Final Report: September 2022

10. Decisions and actions: membership & chairmanship

- WG new members
 - WGFT: IDIC (Chile) and Ukrmetrteststand (Ukraine)
 - WGPV: MIRS/IMT (Slovenia)
 - CCM-TGPfD-kg: Dave Newell (NIST), Naoki Kuramoto (NMIJ) and Richard Green (NRC); Philippe Richard steps down

- WG Chair and Vice-chair
 - WGDV: Vice chair Luis Omar Becerra (CENAM)
 - WGH: Chair Febo Menelao (PTB) & Vice-chair Koichiro Hattori (NMIJ) from 01 January 2022

10. Decisions and actions: ToRs

- **WGG**
additional term: To produce working documents for analyses of comparisons and the evaluation of uncertainty

- **CCM-TGPfD-kg**
update to reflect transition from Phase 1 (IPK with unc.) to Phase 2 (Consensus Value)

10. Decisions and actions: WGPV proposal

- Sending a request to the JCRB about the possibility of adding a explanatory note on the text in Appendix A1 in CIPM-MRA-P11

11. Next meeting and any other business.

- 19th CCM meeting (*including WG meetings*)
in-person, 22-26 May 2023 (to be confirmed)

Thank you!

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