


19th Meeting of the Consultative Committee for Mass and Related Quantities

25-26 May 2023

Philippe Richard
CCM President

Hao Fang
CCM Executive secretary



Working together to
promote and advance
the global comparability
of measurements

13. CCM-WGDV Proposals

- CCM.V-K5 Viscosity of standard liquids (2024-)
Wide viscosity range (5 mm²/s to 160000 mm²/s) with three liquids,
Pilot: NIM, about 15-16 NMIs and DI are interested in participation
- nomination of SE "Ukrmetrteststandart" (Ukrainian Designated Institute for liquid density and viscosity measurements) as a member of this WG

CCM-WGFF Proposals

- Pilot study on comparing gravimetric mobile systems for H2 with transfer standard will be performed (2024?),
potential participants: NMIJ/KRISS /Metas /Cesame/NEL/
BEV/JV/VSL/(PTB)

CCM-WGFT Proposals

- Andy Knott (NPL) to move from Vice Chair to Chair
- Philippe Averlant (LNE) to become Vice Chair
- New KCs: CCM.F-K4, CCM.T-K1

CCM-WGG Proposals

- CCM-WGG has two kinds of membership (institutes and personal experts)

No change proposal on institute/organization membership

personal experts change proposal:

Dr. Przemyslaw Dykowski (Poland) new member

CCM-WGH Proposals

- NIMT participate the meeting as an observer

CCM-WGM Proposals

- CCM.M-K2.2024 Multiples and sub-multiples of a kilogram
- CCM.M-K8.20xx Realizations of the kilogram (2023 or 2024, to be decided by WGM)
- CCM.M-K4.20xx Stainless steel kilograms
- Proposals of new members: NIS and A*Star

CCM-WGPV Proposals

- New observer status: RISE (Sveden), GUM (Poland)
- New chairperson as of 2023-06-01: Julia Scherschligt, NIST
New Vice-chair as of 2023-06-01: Hiroaki Kajikawa, NMIJ
- New KC: Liquid pressure, 1 MPa up to 100 Mpa, gauge mode, oil: PTB pilot, NRC, LNE, NPL/I, NMIJ, KRISS, NMI Saudi Arabia, NIST

WG Chairs and Vice-Chairs

CCM WGs	CCM-WGDV	CCM-WGFF	CCM-WGFT	CCM-WGG
Chair	Yoshitaka Fujita (NMIJ)	Bodo Mickan (PTB)	Andy Knott (NPL)	WU Shuqing (NIM)
Vice-chair	Luis-Omar Becerra (CENAM)	Chunhui Li (NIM)	Philippe Averlant (LNE)	Vojtech Pálinkáš (CMI)

CCM WGs	CCM-WGH	CCM-WGM	CCM-WGPV	CCM-WGS
Chair	Febo Menelao (PTB)	Stuart Davidson (NPL)	Julia Scherschligt (NIST)	Ph. Richard (METAS)
Vice-chair	Koichiro Hattori (NMIJ)	Richard Green (NRC)	Hiroaki Kajikawa (NMIJ)	

14. Decisions

- Approved the new KCs as proposed by the WGs
- Approved the new WG members as proposed by the WGs
- Appointed WG Chairs and Vice-Chairs for a four-year term
- Approved the CCM recommendation to address the address lack of agreement between current realizations of the kilogram

Actions

- WGM
 - collect feedback from WG members and decide 3rd CCM.M-K8 schedule
- TGPfD-kg
 - make proposal to change way the KC results contribute to the next Consensus Value
 - establish strategy to address the lack of agreement between current realizations of the kilogram
- CCM President
 - make recommendations to the CIPM on two CCM Membership applications

20th Meeting of the CCM

23-27 June 2025

(including WG meetings)



Thank you.

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CCM President

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CCM Executive secretary

A large, colorful graphic on the right side of the slide consists of multiple concentric, overlapping arcs that spiral inward. The arcs are colored in a rainbow spectrum, including red, orange, yellow, green, blue, and purple. The text is centered within the innermost part of this spiral.

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