



# CCU President's Report

Joachim Ullrich, Chair

25th meeting of the CCU, 21 - 23 September 2021

# 3 Presidents Report

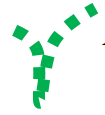
- ◆ **Update of decisions of the 24th meeting of the CCU**
- ◆ Core-metrological terms & dimensionless quantities
- ◆ Corrections to the 9th Edition of the SI Brochure
- ◆ Report on the Working Group on Strategy

# Decisions of the 24th meeting of the CCU

- D1. CCU Strategy Document approved with some minor changes
- D2. ToR of WG-S approved
- D3. WG on “unit” formed: NSC IM (chair), NRC, NMIJ, NPL, NIST, INRIM, PTB, CEM, METAS, LNE, Rosstandart, M. Himbert
- D4. WG on angles and dimensionless quantities closed
- D5. Next meeting of CCU: September 2021
- D6: Next meeting of CCU WG-S: February 2021

# Actions of the 24th meeting of the CCU

**pandemic**



A1. Improve liaison between ISO TC 12, IEC TC 25, IUPAP C2 and the CIPM and its CCs for future revision of relevant standards for units. (CCU WG on units, to make a proposal)



A2. Add a question on implementation of revised SI within national legal metrological framework to the questionnaire for stakeholders. (M. Stock)



A3. Discuss questionnaire for stakeholders at the CIPM meeting (about coordination with OIML about question on legal implementation, and part C for academic organizations) and at NMI Directors meeting next week (send to which NMIs) (J. Ullrich, M. Milton)

**pandemic**



A4. CCU WG on units to make a proposal to CCU on the definition of “unit”, “quantity”, “value of quantity” by end September 2020, possible extension of scope to be discussed by CIPM next week (15-16 October 2020).

**pandemic**



A5. NMI members and liaison organizations to bring official opinion on definition of “unit” and units for angles and dimensionless quantities to next CCU meeting (2021).



A6. RJC Brown to prepare summary on prefix discussion for J. Ullrich, who will present topic to CIPM next week (15-16 October 2020).



A7. Proposal of INRIM as new CCU member to CIPM. (J. Ullrich)



A8. Proposal of NSC IM as new CCU ongoing observer to CIPM. (J. Ullrich)



A9. Proposal of liaison with IMU. (J. Ullrich)



A10. Invite IMU for next CCU meeting. (J. Ullrich)



A11. Check with all attendees on open publication of working documents and presentation files (M. Stock)

# 3 Presidents Report

- ◆ Update of decisions of the 24th meeting of the CCU
- ◆ **Core-metrological terms & dimensionless quantities**
- ◆ Corrections to the 9th Edition of the SI Brochure
- ◆ Report
  - CCU-WG on Core-Metrological Terms (CMT) established
  - Opinion of Member Organizations and Liaisons requested
  - Separate Topics 8 and 9

# 3 Presidents Report

- ◆ Update of decisions of the 24th meeting of the CCU
- ◆ Core-metrological terms & dimensionless quantities
- ◆ **Corrections to the 9th Edition of the SI Brochure**
- ◆ Report → No important suggestions or requests on Strategy

# 3 Presidents Report

- ◆ Update of decisions of the 24th meeting of the CCU
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- ◆ **Report on the Working Group on Strategy**

# CCU Working Group on Strategy

M. Stock  
15/03/2021

Report of the meeting of the CCU Working Group on Strategy (CCU WG-S)  
held remotely on 26 and 27 January 2021

The meeting was held remotely on 26-27 January from 12:00 to 14:00 UTC.

The following attended the meeting: Joachim Ullrich (PTB, CCU President and chair of the meeting), Richard Brown (NPL), Manuela Gerken (PTB), Savely Karshenboim (MPQ, member of CODATA TGFC), Martin Milton (BIPM), Emilio Prieto (CEM), Philippe Richard (METAS, CCM President), Gert Rietveld (VSL, CCEM President), Michael Stock (BIPM, CCEM and CCU executive Secretary), Patrizia Tavella (BIPM, CCTF executive secretary).



# CCU Working Group on Strategy

## TOP 1.1

Prof. Ullrich will ask the chair of WG-CMT to work hard towards a consensus before the CCU meeting, if necessary, with further remote meetings. Dr. Brown pointed out that the principal difficulty seems to be about the use of the word ‘magnitude’. The status shall be presented at the next (remote) CCU meeting. **If no consensus has been found by then, the topic shall be deferred to a future presence meeting and not discussed in detail at the remote meeting.**

## TOP 1.2

Status of the preparations for the expansion of the range of SI prefixes

## TOP 1.3

Status of the CCU questionnaire on the implementation of the new definitions

## TOP 1.4

A report on the status of the planned redefinition will be given at the CCU meeting.

## TOP 1.5

The CCPR executive secretary should give a short report at the CCU meeting.

## TOP 1.6

and bring an official view for the next CCU meeting. A reminder shall be sent by the CCU executive secretary two months before the meeting.

# CCU Working Group on Strategy

## TOP 1.7

It was agreed that this was not an urgent issue and should not be put on the agenda of the next CCU meeting.

## TOP 1.8

There is an overlap between the reports on activities 1 and 2. The CIPM President will summarise the reports to remove this duplication.

## TOP 1.9

Following some discussion, it was agreed that the status of the mole should be on the agenda of a future presence CCU meeting, and be kept on the agenda for the next meeting of WG-S. The representatives of the CCQM and of IUPAC should be asked to provide the background for the discussion.

## TOP 2.1

This topic is not in the realm of the CCU, but a short update shall be given at the CCU meeting, to inform the delegates.

# CCU Working Group on Strategy

## TOP 2.2

Open discussion on possible future themes and the role for the CCU

Prof. Ullrich gave a presentation of systems metrology.....

It was agreed that the CCU members should be informed of these new topics.

## TOP 3.0

Date of next CCU meeting

The next CCU meeting will be held as a remote meeting on 21-23 September 2021. The sessions will be for two hours around 12:00-14:00 UTC. Ideally, the CODATA TGFC should meet the week before<sup>1</sup>.

The meeting will be focussed on well-prepared issues, and any complex topics will be deferred to the next in person meeting.

The decision if a meeting is necessary in 2022 will be taken at the September meeting, knowing that 2022 is the year of a General Conference and it might be difficult to hold a CCU meeting.

If necessary, and if the Covid pandemic permits, a face-to-face meeting of WG-S could be arranged in January or February 2022.