

Towards the redefinition of the mass unit

- The CODATA Task Group on Fundamental Constants has carried out a [Special Fundamental Constants Adjustment](#) in view of fixing the numerical values of the Planck constant, the elementary charge, the Boltzmann constant and the Avogadro constant. The papers with new experimental results for the Planck constant have been published in *Metrologia* and are available on [Metrologia's webpage dedicated to the CODATA-2017 adjustment](#).
- The [CCM recommendation G 1 \(2017\) for a new definition of the kilogram in 2018](#) as well as the [final report of the CCM Pilot Study of future realizations of the kilogram](#) are available on the CCM website. The paper "[Maintaining and disseminating the kilogram following its redefinition](#)" has now been published in *Metrologia*.
- The CIPM decided at its 106th meeting held in October 2017 to [undertake the necessary steps to proceed with the planned redefinition of the kilogram, ampere, kelvin and mole at the 26th CGPM in 2018](#). During the meeting, the CCM president presented a note on the dissemination process after the redefinition of the kilogram. Based on this note, the CCM will establish a more detailed guidance document for its members and for the NMIs. The final version of the guidance document will be approved at the next CCM meeting before the date of implementation of the revised SI.

CCM meetings

- The [report of the 16th CCM meeting](#) held in May 2017 has been published on the CCM website. A list of additional information on the written reports of some NMIs (working document CCM/17-R0) has been added to the restricted access area.
- The 17th CCM meeting will take place on 16-17 May 2019.

CCM membership and CCM Working Groups

- The DFM (Denmark) has been granted membership of the CCM by the CIPM in its 106th meeting.
- Two Working Groups (WGs) have changed their names to better reflect the activities undertaken and the issues addressed within the WGs. The Working Group on Force becomes the [Working Group on Force and Torque \(WGFT\)](#). The Working Group on Strategy becomes the [Working Group on Strategy and MRA coordination \(WGS\)](#).

CCM documents

- The CCM strategy has been revised by the WGS. The [CCM strategic plan for 2017-2027](#) as well as the [executive summary](#) are available on the CCM website. Addressing the recommendations from the CIPM MRA review is one of the key issues of the CCM strategy.
- Both the [joint CC statements on the revision of the SI](#) and the [CCM statement for end users](#) are now available on the CCM open-access website.

CIPM MRA review, KCDB and JCRB



- The [outcomes of the 38th JCRB meeting](#) (September 2017) are now available. Resolution 38/1 encourages RMOs and CCs to further implement a risk-based approach for the CMC review. This is one of the major items of the action plan 2017-2018 of the CCM Working Group on Strategy and MRA coordination.
- The Final Reports of the following comparisons have been published in the KCDB:

▪ Supplement to CCM.D-K4	▪ COOMET.M.T-S1	▪ EURAMET.M.T-S2	▪ SIM.M.D-S4
▪ CCM.FF-K3.2011	▪ COOMET.M.G-S1	▪ EURAMET.M.G-K2	▪ SIM.M.G-K1
▪ CCM.P-K15.1	▪ COOMET.M.V-S1	▪ EURAMET.M.FF-K4.2.2014	▪ SIM.M.M-S13
	▪ COOMET.M.V-S2	▪ EURAMET.M.FF-S9	▪ SIM.M.M-S15
▪ APMP.M.FF-K2.a		▪ EURAMET.M.M-S3	
▪ APMP.M.M-K4.1		▪ EURAMET.M.M-S9	
▪ APMP.M.P-S7.TRI		▪ EURAMET.M.P-S9 (2nd loop)	