

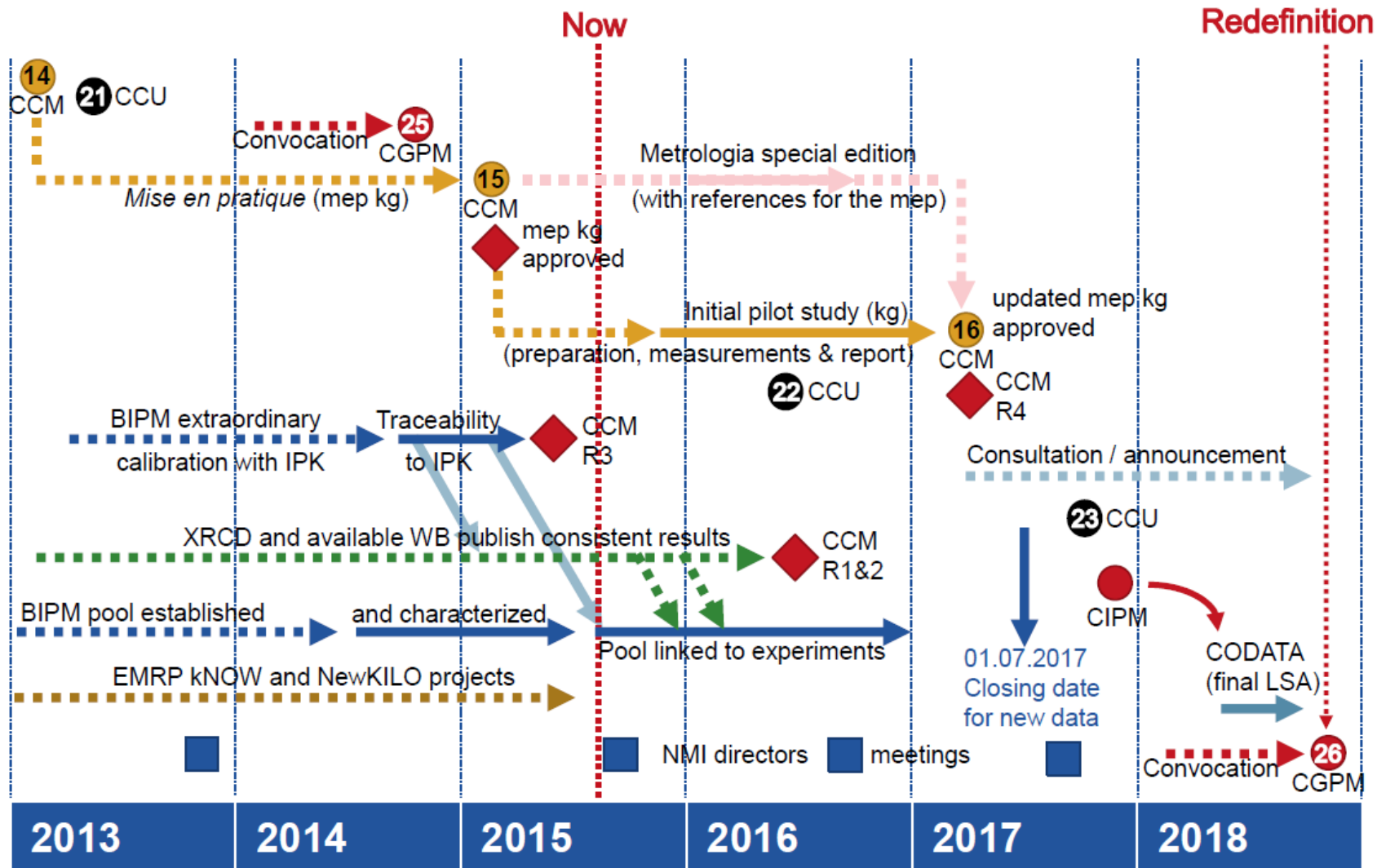
CCTF meeting – update on re-definition of the SI

8th June 2017



Bureau
International des
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Mesures

Joint CCM & CCU Roadmap to 2018



RECOMMENDATION OF THE CONSULTATIVE COMMITTEE FOR MASS AND RELATED QUANTITIES SUBMITTED TO THE INTERNATIONAL COMMITTEE FOR WEIGHTS AND MEASURES

RECOMMENDATION G 1 (2017)

For a new definition of the kilogram in 2018

noting that the CCM will conduct an on-going key comparison of primary realizations of the kilogram that will capture and maintain a table of the experimental degrees of equivalence, which can be used to create a formal procedure for applying corrections relative to the consensus value,

encourages all National Metrology Institutes to continue research and further improve experiments in support of primary realizations of the SI unit of mass at appropriate levels of precision and at different mass values suitable for current and anticipated applications,

requests those National Metrology Institutes having a realization of the kilogram to avail themselves of the consensus value (as determined from the ongoing comparison) when disseminating the unit of mass according to the new definition, until the dispersion in values becomes compatible with the individual realization uncertainties, thus preserving the international equivalence of calibration certificates and in accordance with the principles and agreed protocols of the CIPM Mutual Recognition Arrangement,

reminds members of the CCM that all Member States not having realizations of the new definition of the kilogram will have direct access to traceability to the same consensus value as determined by the ongoing comparison through the calibration services of the BIPM,

recommends that the CIPM undertakes the necessary steps to proceed with the planned redefinition of the SI at the next meeting of the CGPM, acknowledging the measures to be taken by the CCM to ensure integrity and continuity in the dissemination of the kilogram.

CIPM decisions on re-definition (Oct 2017)

- ◆ The CIPM recommended that the date on which the redefinition of the SI shall come into force be 20 May 2019 (World Metrology Day).
- ◆ The CIPM requested from all Consultative Committees an update of the *mises en pratique* (current online Appendix 2) to be ready on 31 July 2017. This Appendix will continue to be an online Appendix in the context of the new SI Brochure.

Information from the TG for the promotion of the SI

- ◆ The CIPM requested the Consultative Committees to work together to write a joint statement for all their stakeholders addressing the changes to be expected under the revised SI.
-> each CC is also working on a longer statement (2 pages)
- ◆ Brand book (approach, audience, key messages ... and logo)



- ◆ <http://www.bipm.org/en/si-download-area/>



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