

JCRB Report to the CCM

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Executive Secretary of the JCRB

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



Guidance documents on CMCs and comparisons

Bureau International des Poids et Mesures – the intergovernmental organization through which Member States act together on matters related to measurement science and measurement standards.

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<http://www.bipm.org/en/cipm-mra/documents/>

CIPM MRA documents

Policy documents | **Guidance on CMCs** | Guidance on comparisons

Title	Doc. no.	Latest update
Text of the CIPM MRA [également disponible en français]	CIPM MRA-D-04	Oct. 2013
The CIPM MRA: 2005 Interpretation Document		
Guide to the implementation of the CIPM MRA		
NMIs and other Designated Institutes Submission		
Services available to Associate States of the MRA		
Use of the CIPM MRA logo and certificate		
Procedure for approval of the entry of a		
Calibration and Measurement Capabilities in the context of the CIPM MRA		
Additional instructions and templates for CMC excel files: General AUV EM PR QM RI TF		
Links to RMO Guidelines on Quality Systems and CMCs: AFRIMETS APMP COOMET EURAMET SIM		
For the classification of services in the various fields, see: KDCB AUC		
Traceability in the CIPM MRA		
JCRB guidelines for the monitoring and reporting of CMCs		
Guidelines for the review of CMCs and the use of the CIPM MRA logo by international intergovernmental organizations		
Recommendations for on-site visits by peer institutes		
Uncertainty contributions of the device under test		
Subcontracting of measurements under the CIPM MRA		

CIPM MRA documents

Policy documents | **Guidance on CMCs** | Guidance on comparisons | **Complementary info.** | Use of the CIPM MRA logo | JCRB

Title	Doc. no.	Latest update
Measurement comparisons in the CIPM MRA	CIPM MRA-D-05	March 2014
Key and supplementary comparison registration and progress form (please save to your computer and complete locally)		Feb. 2014
CIPM MRA Guidelines for Authorship of Key, Supplementary and Pilot Study Comparison Reports	CIPM MRA-G-04	Oct. 2011

JCRB Outcomes

BIPM - JCRB Outcomes

www.bipm.org/jsp/en/JCRBOutcomes.jsp

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ABOUT US WORLDWIDE METROLOGY INTERNATIONAL EQUIVALENCE MEASUREMENT UNITS SERVICES PUBLICATIONS MEETINGS

> You are here: worldwide metrology: committee structure > Joint Committees > JCRB > Outcomes of JCRB meetings

Outcomes of JCRB meetings: JCRB Resolutions, Recommendations and Actions

JCRB outcomes Meeting reports KCDB reports CIPM MRA documents JCRB

→ Please select a meeting or a topic using the boxes below, or enter a search term in the text box:

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Summary

- General information
- Minutes of JCRB meetings
- JCRB Directory
- Photographs of the JCRB
- Terms of reference of the JCRB
- Rules of procedure for the JCRB

Relevant JCRB meetings since 2013 CCM meeting

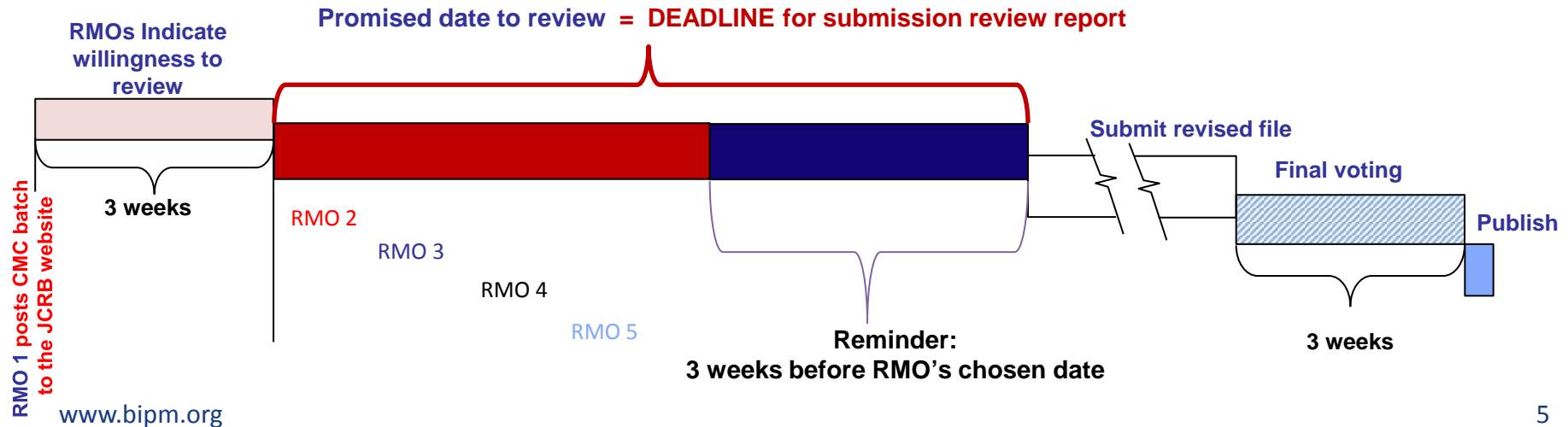
- March 2013: Best practices in CMCs workshop
- March 2013: 30th JCRB
- Sept. 2013: 31st JCRB
- March 2014: 32nd JCRB
- No JCRB meeting in fall, 2014 due to 25th CGPM

Changes in the JCRB CMC review process and website

Changes have been made according to the Resolution 30/1 of the 30th JCRB meeting, based on discussions from best practices workshop

Please be aware, that:

- The deadline to *indicate intention* to review - 3 weeks (with a reminder 1 week before the deadline);
- The deadline chosen by RMO for submission its review report – the date you indicate is a *hard deadline* (with a reminder 3 weeks before the deadline);
- The deadline for approval of CMCs - 3 weeks (with a reminder 1 week before the deadline).



Highlights of the JCRB

CCT, CCQM, CCRI, and CCEM use fast track or streamlining of review


Recommendation 30/1: The JCRB strongly encourages the CCs and the RMOs to use the BIPM Web Forum as a tool for effective information exchange and consider increased use of the “fast track” to promote more rapid processing of CMCs.

Recommendation 30/2: The JCRB recognizes the maturity and effectiveness of the CMC review process and the degree of trust established between the RMOs. Consequently, the JCRB strongly recommends that duplication, resulting from RMO reviewing the same CMCs during interregional review, be reduced wherever possible.

Recommendation 30/3: The JCRB recommends that RMOs pay greater attention to the appropriate guidelines during intra RMO review in order to improve the efficiency of the inter RMO review of CMCs.

Highlights of the JCRB

Action 30/1: New text on "greying-out CMCs" and reinstating "greyed-out CMCs" for CIPM MRA-D-04, approved by JCRB.

<p>Calibration and Measurement Capabilities in the context of the CIPM MRA CIPM MRA-D-04</p>	
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12. Greying-out of published CMCs

A greyed-out CMC is a calibration and measurement capability that had been published in the KCDB, but for some reason has been temporarily suspended (with the intention to reinstate it at some future date).

The greyed-out CMCs are not visible in the open KCDB website, but are retained in the database so are not lost.

The maximum period for the greyed-out status is five years.

Greying-out of published CMCs usually arises through non-compliance with the criteria for acceptance of CMCs as described in Section 3, but may also occur when an NMI/DI indicates that the service has been temporary suspended.

CIPM MRA-D-04

http://www.bipm.org/utils/common/CIPM_MRA/CIPM_MRA-D-04.pdf

Highlights of the JCRB: more detailed status of KCs, SCs

Key and supplementary comparisons (and pilot studies) - registration and progress form

Comparison conducted by		in	Date:	
1. Subfield:		RMO internal identifier		
2. KCDB identifier: <small>(for non-internal)</small>				
3. Type of comparison: Key <input type="checkbox"/> Supplementary <input type="checkbox"/> Pilot study <input type="checkbox"/>		4. Short description:		
5. Measurand and nominal value(s):		Special characters for copying <small>(if necessary)</small> α β γ Δ δ ε ζ η θ ι κ λ μ		
6. Parameter(s):				
7. Transfer device(s)/sample(s):				
8. Pilot/Coordinating laboratory(ies) <small>(acronyms and countries)</small> :				
9. Participating institutes <small>(acronyms and countries)</small> :				
10. PROGRESS: <small>(please mark the status of the appropriate blocks in the indicated column)</small>				
Date	Status	Pilot	Supplementary	Key
	Planned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Protocol complete/approved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	In progress	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Measurement completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Report in progress	<input type="checkbox"/>	Draft A Draft B	<input type="checkbox"/>
	Reports submitted to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Results approved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Approved for equivalence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Abandoned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:		Publication reference:		
11. Measurement start date:		12. (Expected) measurement completion date:		
13. Contact person's name:				
Address:		Tel.:		
		Fax:		
		e-mail:		
		Web:		

Completed copy to be forwarded to a) CCIO: Executive Secretary;
b) relevant CC Key Comparison WG Chairman;
c) Regional coordinator as appropriate;
d) KCDB Coordinator or (in case of Pilot studies): BIPM.KCDB@bipm.org

BIPM
Bureau International des Poids et Mesures

Home | Key and supplementary comparisons | Calibration and Measurement Capabilities - CMCs

Home > Comparisons Search > Information

Key and supplementary comparisons - Information

COOMET.M.H-K3

- Information
- Pilot / Contact
- Participants
- Results
- Print out

Related links

- KCDB Statistics
- KCDB FAQs
- KCDB Reports
- CCPM MRA
- JCRB
- Find my NMI
- Metrologia

Contact us

- BIPM.KCDB@bipm.org

COOMET.M.H-K3

Metrology area, branch
Description: Comparison of national hardness standards of Rockwell and Superficial-Rockwell scales

Time of measurement
Status: Planned

Reference(s)
COOMET.M.H-K3 registration and progress form
COOMET.M.H-K3 Technical Protocol

Measurand
Hardness: Rockwell A, 83 HRA; Rockwell B, 90 HRB; Rockwell C, 25 HRC, 45 HRC, 65 HRC
Hardness: Superficial-Rockwell: 90 HRN15 to 94 HRN15, 40 HRN30 to 50 HRN30, 76 HRN30 to 84 HRN30, 43 HRN45 to 54 HRN45, 35 HRT30 to 45 HRT30, and 70 HRT30 to 82 HRT30

Transfer device(s)
One set of hardness reference blocks of the Rockwell scale, consisting of 5 blocks, and one set of hardness reference blocks of the Superficial-Rockwell scale, consisting of 6 blocks

Comparison type
Key comparison

Consultative Committee
Conducted by: CCM (Consultative Committee for Mass and Related Quantities)

Other designation(s)
COOMET (Cooperation in Metrology among the Central European Countries)
COOMET 560/UA/12

Action 31/1: BIPM to develop an electronic format for the form “Key and supplementary comparison registration form” in order to improve the accuracy and consistency of the information relating to KC status on the KCDB.

Action 32/1: Minor revision to format

Highlights of the JCRB

Action 31/5: RMOs will review the status of stalled CMCs on the JCRB website and will advise the JCRB Executive secretary whether stalled CMC sets can be abandoned, or whether the RMO will progress the set.

The screenshot shows the JCRB CMC website interface. The header includes the Bureau International des Poids et Mesures logo and the text 'JCRB CMC website'. Below the header, there is a navigation menu on the left with options like 'Summary', 'CMCs by metrology area', and 'KCDB'. The main content area displays a table titled 'Complete list of CMCs'. The table has columns for CMC, Metrology area, RMO Originator, Status, Last update, and Information. The 'Status' column for all entries is 'Review still in progress'. A red circle highlights the 'Last update' column for the entries with CMC IDs SIM.M.25.2012 and SIM.M.14.2010, which have last update dates of 2012-08-27 and 2010-12-08 respectively. A red arrow points from a text box at the bottom to this circle.

CMC	Metrology area	RMO Originator	Status	Last update	Information
SIM.M.27.2015	Mass and related quantities	SIM	Review still in progress	2015-02-17	CMCs from INDECOPI (Peru) in Force and Pressure
COOMET.M.25.2015	Mass and related quantities	COOMET	Review still in progress	2015-02-16	New CMCs of GeoSTM (Georgia) in Mass
COOMET.M.24.2014	Mass and related quantities	COOMET	Review still in progress	2014-11-17	Volume gas flow rate CMC for VNIIR, RU
COOMET.M.23.2014	Mass and related quantities	COOMET	Review still in progress	2014-08-26	CMC of Ukrmetrteststandard, UA in viscosity
COOMET.M.14.2013	Mass and related quantities	COOMET	Review still in progress	2013-03-12	New CMCs of NSC IM (Ukraine) in Mass
SIM.M.25.2012	Mass and related quantities	SIM	Review still in progress	2012-08-27	New INDECOPI
SIM.M.14.2010	Mass and related quantities	SIM	Review still in progress	2010-12-08	INDECOPI-Peru- Pressure
CMC	Metrology area	RMO Originator	Status	Last update	Information

Mass CMCs with last action prior to 2014

Highlights of the JCRB: CIPM MRA review

Action 32/5: Each RMO to prepare bullet points identifying, from their perspective, the benefits and the successes of the CIPM MRA..... as an introduction to the Draft Resolution to be presented at the 25th meeting of the CGPM on the CIPM MRA.

Action 32/6: Each RMO to individually contribute to the CIPM MRA review... suggest practical ideas for improvements in the operation of the activities falling within the responsibility of the JCRB...for discussion at the 2015 JCRB meeting.

Statistics on CMCs in mass

Database	Category	All areas	Mass
JCRB website	All CMC sets	557	133
JCRB website	CMC sets submitted since Feb 2013	112	30
KCDB (17 Feb 2015)	All CMC entries	23969	2773

Submissions in all areas except gravimetry

RMO	Status of CMC set			
	Submitted	Published	Review in Progress	Abandoned
AFRMET	1	1	0	0
APMP	8	9	0	0
COOMET	11	7	4	1
EURAMET	8	9	0	1
SIM	2	2	3	0
Total	30	28	7	2

Thank you

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