

CCAUV/15-51

JCRB Report to the CCAUV Meeting

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Executive Secretary of the JCRB

27 November 2015

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



Relevant JCRB meetings since 9th CCAUV

- March 2014: 32nd JCRB
- No JCRB meeting in fall, 2014 due to 25th CGPM
- March 2015: 33rd JCRB
- Sept. 2015: 34th JCRB
- August 2013: new deadlines for CMC review

CMCs and comparisons published in the KCDB, November 2015

CMCs

Physics: 18 280

Chemistry: 5 903

AUV: 1 187

Total: 24 183

Comparisons

Total AUV

KC: 922 44

SC: 421 13

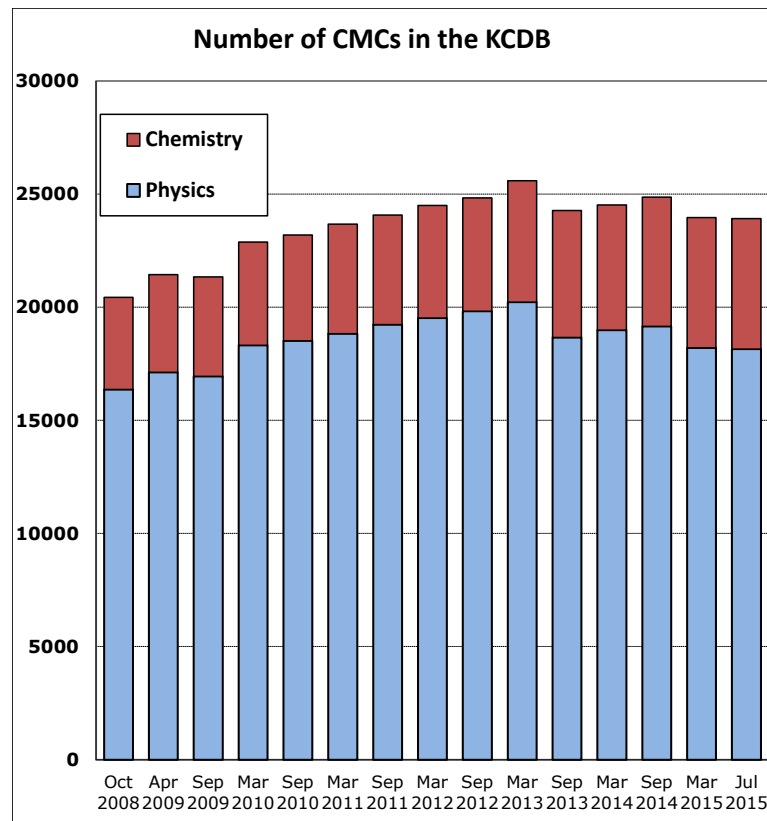
Total: 1 363; 67 % completed

KCDB office now lists comparisons that were started 2010 or earlier and have not reached completion (Action 33/3)

<http://www.bipm.org/jsp/en/ViewKCDBReport.jsp>

Overall: 10 % in this category

AUV: 3 in this category



JCRB Outcomes: Now searchable on web

The screenshot shows a web browser window with the URL www.bipm.org/jsp/en/JCRBOutcomes.jsp. The page header includes the BIPM logo and the text "Bureau International des Poids et Mesures - the intergovernmental organization through which Member States act together on matters related to measurement science and measurement standards." A search facility is located in the top right corner. A navigation menu below the header lists: ABOUT US, WORLDWIDE METROLOGY, INTERNATIONAL EQUIVALENCE, MEASUREMENT UNITS, SERVICES, PUBLICATIONS, MEETINGS. A breadcrumb trail reads: > You are here: worldwide metrology: committee structure > Joint Committees > JCRB > Outcomes of JCRB meetings. The main content area is titled "Outcomes of JCRB meetings: JCRB Resolutions, Recommendations and Actions". Below this title is a tabbed interface with tabs for "JCRB outcomes", "Meeting reports", "KCDB reports", "CIPM MRA documents", and "JCRB". The "JCRB outcomes" tab is active, displaying a search instruction: "Please select a meeting or a topic using the boxes below, or enter a search term in the text box:". Below this instruction are three input fields: "Select a meeting:", "or a topic:", and "or enter a search term:". A "Search" button is positioned to the right of the third input field. On the right side of the page, there is a "Summary" sidebar with a list of links: General information, Minutes of JCRB meetings, JCRB Directory, Photographs of the JCRB, Terms of reference of the JCRB, and Rules of procedure for the JCRB.

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.

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

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> You are here: international equivalence: the CIPM MRA > CIPM MRA documents

CIPM MRA documents

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

Title	Doc. no.	Latest update
Text of the CIPM MRA <small>[également disponible en français]</small>	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 <small>Submission</small>		
Services available to Associate States of the MRA		
Use of the CIPM MRA logo and certificate		
Procedure for approval of the entry of a		

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
Calibration and Measurement Capabilities in the context of the CIPM MRA	CIPM MRA-D-04	Oct. 2013
Additional instructions and templates for CMC excel files: <small> General AUV EM PR QM RI TF</small>		
Links to RMO Guidelines on Quality Systems and CMCs: <small> AFRIMETS APMP COOMET EURAMET SIM </small>		
For the classification of services in the various fields, see: <small>CIPM MRA AUV EM PR QM RI TF</small>		
Traceability in the CIPM MRA		
JCRB guidelines for the monitoring and reporting		
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

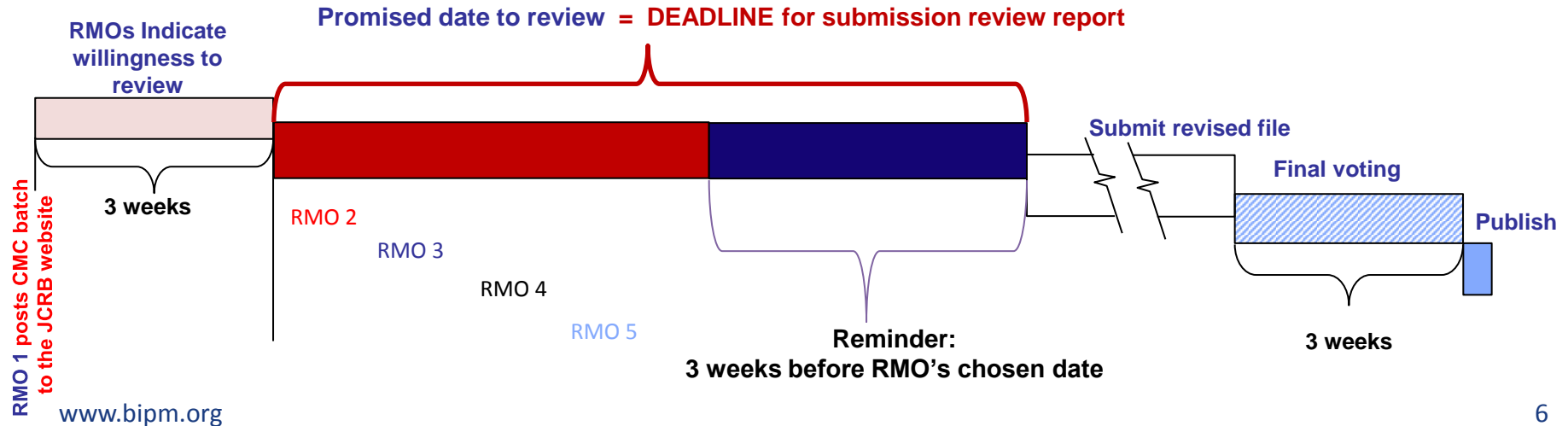
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Changes in the JCRB CMC review process and website

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).



Pay attention to review deadlines to avoid loss-of-rights

→ CMCs from Belarus and Ukraine

Download CMC file
File posted for inter-regional review on
Last update: 2015-01-26 made by EURAMET

[File info]
2014-08-06
Update concerning CMC approval has been made by the RMO Representative EURAMET

COOMET.AUV.7.2014

→ Review round

RMO review	AFRIMETS	APMP	COOMET	EURAMET	SIM
Will review?	Yes		N/A	Yes	
Date for review	2014-11-14		N/A	2014-10-31	
Date report received	N/A	N/A	N/A	2014-09-30	N/A
Report	N/A	N/A	N/A		N/A

→ Post revised file
Revision in progress

[File info]
2015-01-19

Reminder date set at:
(Relinquishing date is one week later)

2015-02-02

→ Decision of RMO Representatives

RMO	AFRIMETS	APMP	COOMET	EURAMET	SIM
CMC approved	N/A	N/A	N/A	Yes	N/A

Approved by the technical review
Quality systems reviewed and approved
Published in the BIPM KCDB
on 2015-01-27

Printable version

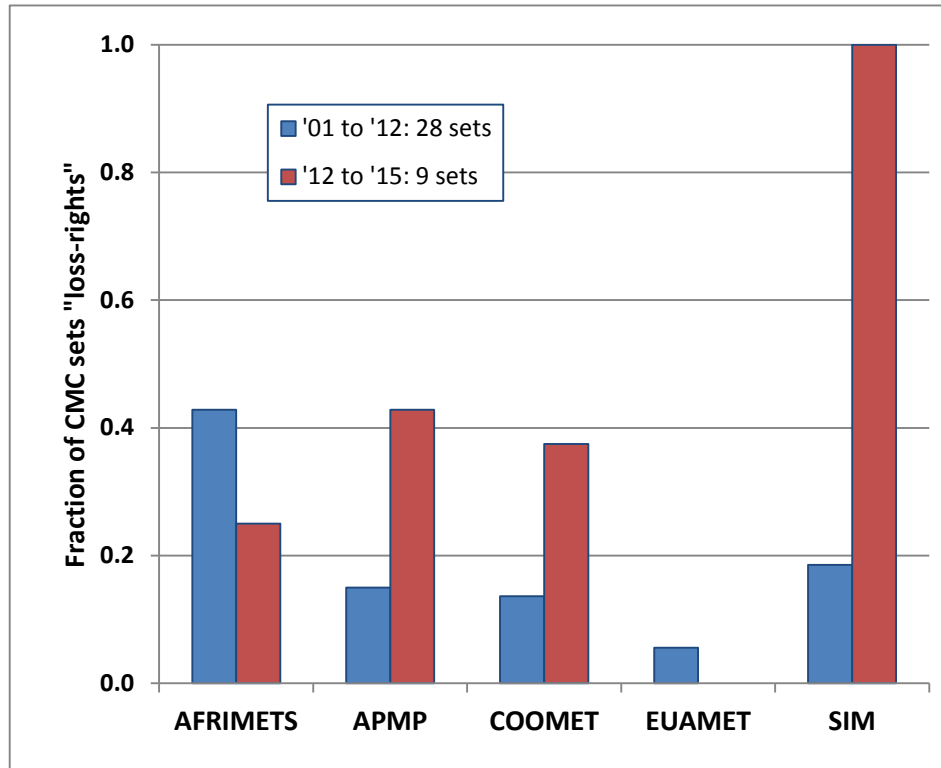
AFRIMETS lost rights because review report not submitted

APMP and SIM lost rights because no indication to review

EURAMET only RMO able to approve CMC

Loss of rights for AUV CMC inter-RMO reviews

Since 2012, CMC sets have had fewer inter-RMO reviews



Highlights of the JCRB: KCDB status available on web

Key and supplementary comparison registration and progress form

Comparison conducted by/CC		in AUV	Date: 09/04/2014
1. Subfield: Ultrasound	RMO internal identifier		
2. KCDB identifier: CCAUV.U-K4 <small>(to be attributed by the BIPM)</small>	CCAUV.U-K4		
3. Type of comparison: Key <input checked="" type="checkbox"/> Supplementary <input type="checkbox"/> Pilot study <input type="checkbox"/>	4. Short description: Comparison of 1 mm hydrophone calibrations		
5. Measurand and nominal value(s): End-of-cable open circuit sensitivity (mV/Pa)	Special characters for copying (if required) α β γ δ ε ζ η θ ι κ λ μ		
6. Parameter(s): Ultrasonic frequency 0.5 MHz - 20 MHz			
7. Transfer device(s): Two 1 mm active element membrane hydrophones			
8. Pilot laboratory(ies) (<i>acronyms and countries</i>): NPL (UK)			
9. Participating institutes (<i>acronyms and countries</i>): PTB (Germany), NIM (China), NMIJ (Japan), INMETRO (Brazil)			
10. Progress: (please note date and tick appropriate box to indicate current status)			
Date	Status	Pilot	Supplementary
30/10/2013	Planned	<input type="checkbox"/>	<input type="checkbox"/>
30/03/2014	Protocol complete	<input type="checkbox"/>	<input type="checkbox"/>
03/07/2014	In progress	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Measurement completed	<input type="checkbox"/>	<input type="checkbox"/>
	Report in progress	<input type="checkbox"/>	<input type="checkbox"/>
	Report submitted to	<input type="checkbox"/>	<input type="checkbox"/>
	Results approved	<input type="checkbox"/>	<input type="checkbox"/>
	Approved for equivalence	<input type="checkbox"/>	<input type="checkbox"/>
	Abandoned	<input type="checkbox"/>	<input type="checkbox"/>
Comments:		Publication reference:	
11. Measurement start date: 03/2014		12. (Expected) measurement completion date: 05/2015	
13. Contact person's name: Bajram ZEQIRI			
Address: Hampton Rd, Teddington, Middlesex, TW11 0LW, UK		Tel.: +44 (0) 208-943-6806 Fax: +44 (0) 208-943-6161 e-mail: bajram.zeqiri@npl.uk Web: www.npl.co.uk	

Completed copy to be forwarded to a) CCXX Executive Secretary;
b) relevant CC Key Comparison WG Chairman;
c) Regional coordinator as appropriate;
d) KCDB Coordinator (BIPM.KCDB@bipm.org)

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Home Key and supplementary comparisons Calibration and Measurement Capabilities - CMCs

Home > Comparisons Search > Information

Key and supplementary comparisons - Information KCDB

CCAUV.U-K4

- Information
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Related links

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Contact us

- BIPM.KCDB@bipm.org

Information

Metrology area, branch	Acoustics, Ultrasound, and Vibration, Ultrasound
Description	Comparison of 1 mm hydrophone calibrations
Time of measurement	2014 - 2015
Status	In progress
Reference(s)	CCAUV.U-K4 registration and progress form CCAUV.U-K4 Technical Protocol
Measurand	End-of-cable open circuit sensitivity in mV/Pa
Parameter(s)	Ultrasonic frequency: 0.5 MHz to 20 MHz
Transfer device(s)	Two 1 mm active element membrane hydrophones
Comparison type	Key comparison
Consultative Committee	CCAUV (Consultative Committee for Acoustics, Ultrasound and Vibration)
Conducted by	CCAUV (Consultative Committee for Acoustics, Ultrasound and Vibration)
Comments	This key comparison is an update of CCAUV.U-K2 but with enhanced scope.

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

Reports of Comparisons involving non-signatories of the CIPM MRA

Resolution 34/1: The policy for reporting comparisons that involve non-signatories of the CIPM MRA is clarified according to the following text:

“Measurement comparison reports should be written to reflect the experiment that was actually performed, **including summary results from all participants**. These reports should be accessible from the online Key Comparison Database, but **the graphs and tables of equivalence** explicitly shown should include **results only from signatory NMIs and DIs.**”

New RMO: GULFMET



CIPM/104-38 (October 2015)

The CIPM granted provisional acceptance of GULFMET as a Regional Metrology Organization (RMO) in accordance with the procedures of the JCRB and within the meaning of the CIPM MRA.

Egypt, Turkey, Korea, Hong Kong, and Bosnia & Herzegovina are associate GULFMET members

- Provisional acceptance means participation in JCRB meetings and CMC reviews with a voice but without a vote
- CMC submission only after achieving full member status
- CMC review of other RMOs with vote only after publishing their CMCs
- CMC submission will require participation in comparisons

GULFMET State	CGPM Status	CIPM MRA
Bahrain	undecided	
Kuwait	processing	
Oman	Associate	Yes
Qatar	processing	
Saudi Arabia	Member	Yes
UAE	Member	Imminent
Yemen	Associate	Yes

Status of CMCs sets in AUV since November 2013

Published: 7

AFRIMETS: 0

APMP: 0

COOMET: 1

EURAMET: 5

SIM: 1

Complete list of CMCs

CMC Acoustics, Ultrasound, Vibration RMO Originator Status [Clear all filters](#)

Show 30 entries

CMC	Metrology area	RMO Originator	Status	Last update	Information
EURAMET.AUV.16.2015	Acoustics, Ultrasound, Vibration	EURAMET	Published in BIPM KCDB	2015-10-19	Revised vibration CMCs from FR and ES
EURAMET.AUV.15.2014	Acoustics, Ultrasound, Vibration	EURAMET	Published in BIPM KCDB	2015-01-27	Revised vibration CMCs from LNE (FR)
COOMET.AUV.7.2014	Acoustics, Ultrasound, Vibration	COOMET	Published in BIPM KCDB	2015-01-26	CMCs from Belarus and Ukraine
APMP.AUV.11.2014	Acoustics, Ultrasound, Vibration	APMP	Review still in progress	2014-11-12	CMC submission in vibration of KIM-LIPI, Indonesia
SIM.AUV.2.2012	Acoustics, Ultrasound, Vibration	SIM	Published in BIPM KCDB	2014-09-26	CMCs from INMETRO/Brazil
EURAMET.AUV.14.2014	Acoustics, Ultrasound, Vibration	EURAMET	Published in BIPM KCDB	2014-06-18	New CMCs in Vibration from MIKES
EURAMET.AUV.12.2013	Acoustics, Ultrasound, Vibration	EURAMET	Published in BIPM KCDB	2014-02-27	New Acoustics CMC from Rep. Serbia
EURAMET.AUV.13.2013	Acoustics, Ultrasound, Vibration	EURAMET	Published in BIPM KCDB	2014-02-26	Revised Acoustics CMC from France

APMP.AUV.11.2014: Awaiting for KIM-LIPI/APMP to submit revised file. Last review report posted 22 Jan 2015

Viewing CMC Reviews

www.bipm.org/JCRBCMCs/

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JCRB CMC website

JCRB CMCs website (Restricted access area) JCRB members only;

Log on to the JCRB CMC website

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Login: tcgust
Password: tcontact

<http://www.bipm.org/JCRBCMCs/>

Thank you

douglas.olson@bipm.org

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