

JCRB Report

An update to the CCM Plenary

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JCRB Executive Secretary – BIPM, International Liaison and Communication Dept.

27 June 2025

Bureau
♦ **International des**
♦ **Poids et**
♦ **Mesures**

JCRB Report - An update to the CCM Plenary

1. JCRB Meetings
2. Updates of CIPM MRA documents
3. Statistics of the CMC Review
4. Issues related to the CMC Review and comparisons
 - Hanging CMCs
 - CMCs slipping through the JCRB Review
 - Comparisons over 5 years
5. Inquiries received
 - How far the light shines, in specific for large mass > 50 kg

1. JCRB Meetings

- ◆ **47th**: LACOMET Costa Rica, September 12/13, **2023**
 - Improvement on guidance materials relating to the use of the column “CMC comments”
 - multiple iterations of comments between reviewers and writer during the JCRB review
 - RMO’s reactions to requests for JCRB review
- ◆ **48th**: BIPM, September 24/25, **2024**
 - the automatic 3-week extension when no RMO responds
 - comparisons over 5 years
 - forms in documents

JCRB – 47th meeting

LACOMET Costa Rica, September 12/13, 2023



- ♦ **Action JCRB/47-1 (2023)**
 - The JCRB Executive Secretary and the KCDB Office will review and improve the **guidance materials relating to the use of the column “CMC comments”** for example by providing “pop-ups” on the KCDB platform.
- ♦ **Action JCRB/47-2 (2023)**
 - The JCRB noted that there are sometimes multiple iterations of comments between reviewers and writer during the JCRB review. **The JCRB encourages:**
 - ♦ the RMOs to ensure that **the intra-RMO review is always carried out thoroughly** so that points of detail are resolved before the JCRB review,
 - ♦ the **CC WGs on the CIPM MRA and RMO TC/WGs to consider providing a mechanism to exchange comments during the JCRB review in a way that is transparent,** and
 - ♦ the **sharing of best practice between CC WGs** on the CIPM MRA for efficient JCRB review.
- ♦ **Action JCRB/47-3 (2023)**
 - The JCRB recalled that each RMO can approve each CMC before it is published and has the opportunity to indicate whether it will review a CMC or not. The CMC review process is tied to the deadline of the latest review date indicated by an RMO. The **JCRB requests the RMOs to respond promptly** even if they do not plan to review, and to remind Reviewers that agreeing to carry out a review of a CMC but not completing the review causes delays to the CMC review process.

JCRB – 48th meeting

BIPM, September 24/25, 2024

♦ Resolution JCRB/48-1 (2024)

- The JCRB approved the inclusion of a note at the end of section 5.2 of document CIPM MRA-G-13 addressing **the automatic 3-week extension** when RMO TC/WG Chairs do not declare interest on the KCDB web platform and/or relinquish their right to review a CMC.

♦ Action JCRB/48-2 (2024)

- The JCRB Executive Secretary was requested to send a list of **comparisons older than 5 years** to the CCs and RMOs that are overseeing them. The JCRB requests the CCs and RMOs to review the status of each of their comparisons in this category and to report to the 49th meeting of the JCRB on the cause of the delays and the actions they will take to address the delays.

♦ Action JCRB/48-3 (2024)

- The JCRB noted **two forms** developed by the JCRB Executive Secretary. The JCRB requests RMOs:
 - ♦ to encourage CMC Writers to make use of the CMC checklist before submitting CMC claims for Internal Regional review.
 - ♦ to use the revised form for the nomination of Designated Institutes.

2. Updates of CIPM MRA documents

Updates of CIPM MRA documents

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

CIPM MRA

POLICY DOCUMENTS

CIPM MRA-P-11

Overview and implementation of the CIPM MRA

CIPM MRA-P-12

Coordination within the CIPM MRA:
Consultative Committees, Regional Metrology Organizations, JCRB

CIPM MRA-P-13

Participation in the CIPM MRA:
National Metrology Institutes, Designated Institutes, International organizations

GUIDELINE DOCUMENTS

CIPM MRA-G-11

Measurement comparisons in the CIPM MRA:
Guidelines for organizing, participating and reporting

CIPM MRA-G-12

Quality management systems in the CIPM MRA:
Guidelines for monitoring and reporting

CIPM MRA-G-13

CMCs in the context of the CIPM MRA:
Guidelines for their review, acceptance and maintenance

RELATED COLLABORATIVE STATEMENTS and DECLARATIONS

Joint ILAC-CIPM communication regarding the accreditation of calibration and measurement services of national metrology institutes

Joint BIPM, OIML, ILAC and ISO declaration on metrological traceability

Common statement and declaration by the BIPM, OIML and ILAC on the relevance of various international agreements on metrology to trade, legislation and standardization

Recent updates

The nomination form in CIPM MRA-P-13 reviewed to capture the DI digital identifiers (**Action JCRB/48-3**)

A note added to the CIPM MRA-G-13 to formalize the 3-week extension on notifications (**Resolution JCRB/48-1**)

3. Statistics of the CMC Review

Flow diagram for Peer-review of CMCs (Appendix B)

Section 5.2 of G-13

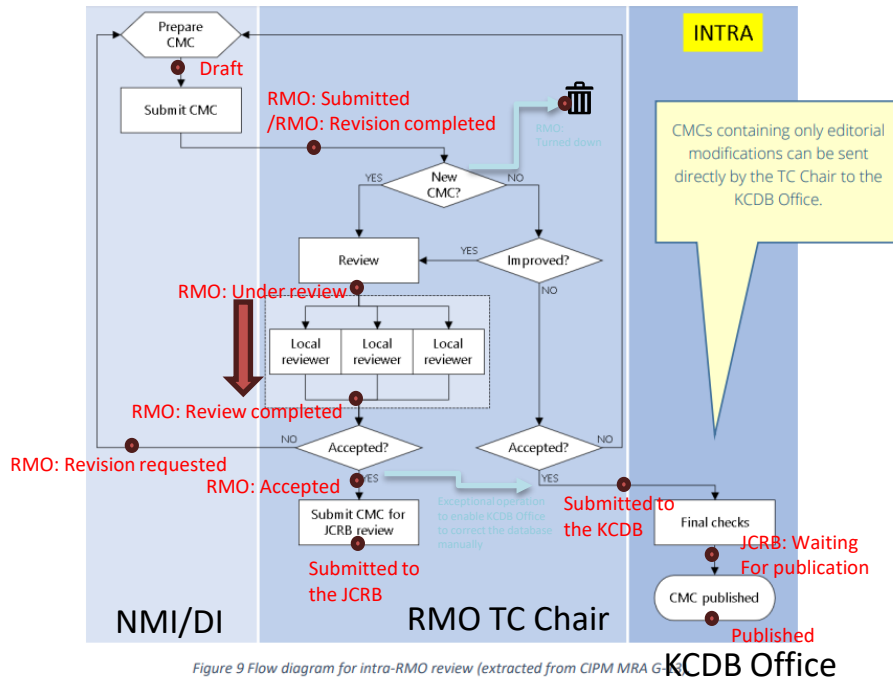


Figure 9 Flow diagram for intra-RMO review (extracted from CIPM MRA G-13)

B
International des

Section 5.1 of G-13

Diagrams & explanations are also in “KCDB Getting Started” document available from [Help on the KCDB - BIPM](#)
Characters indicated in red add the status of the CMC.

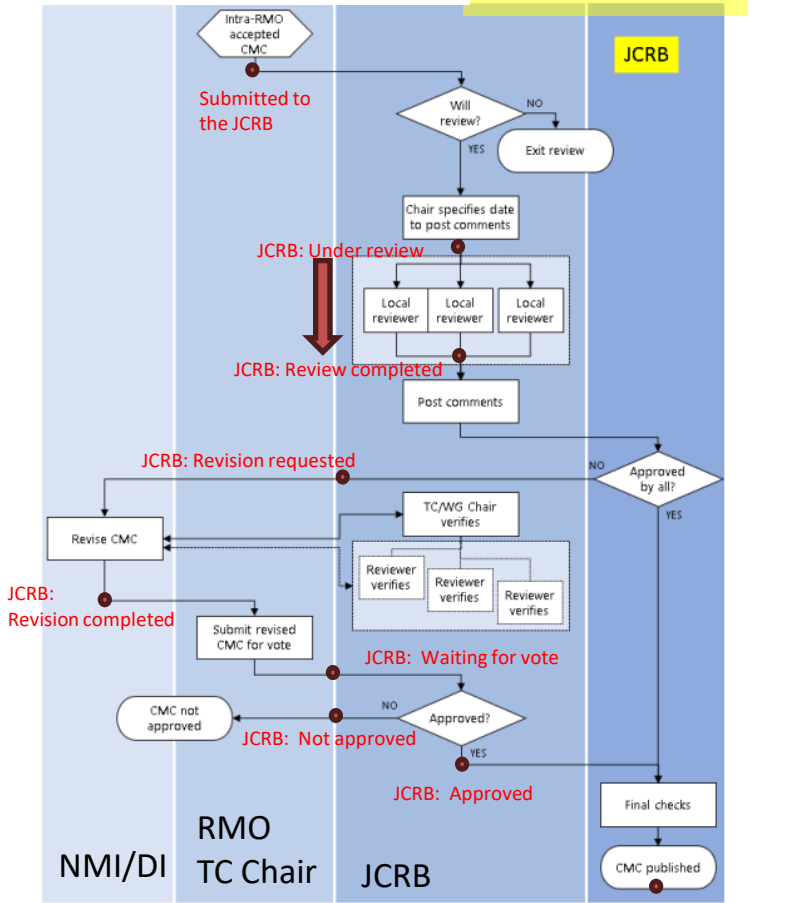


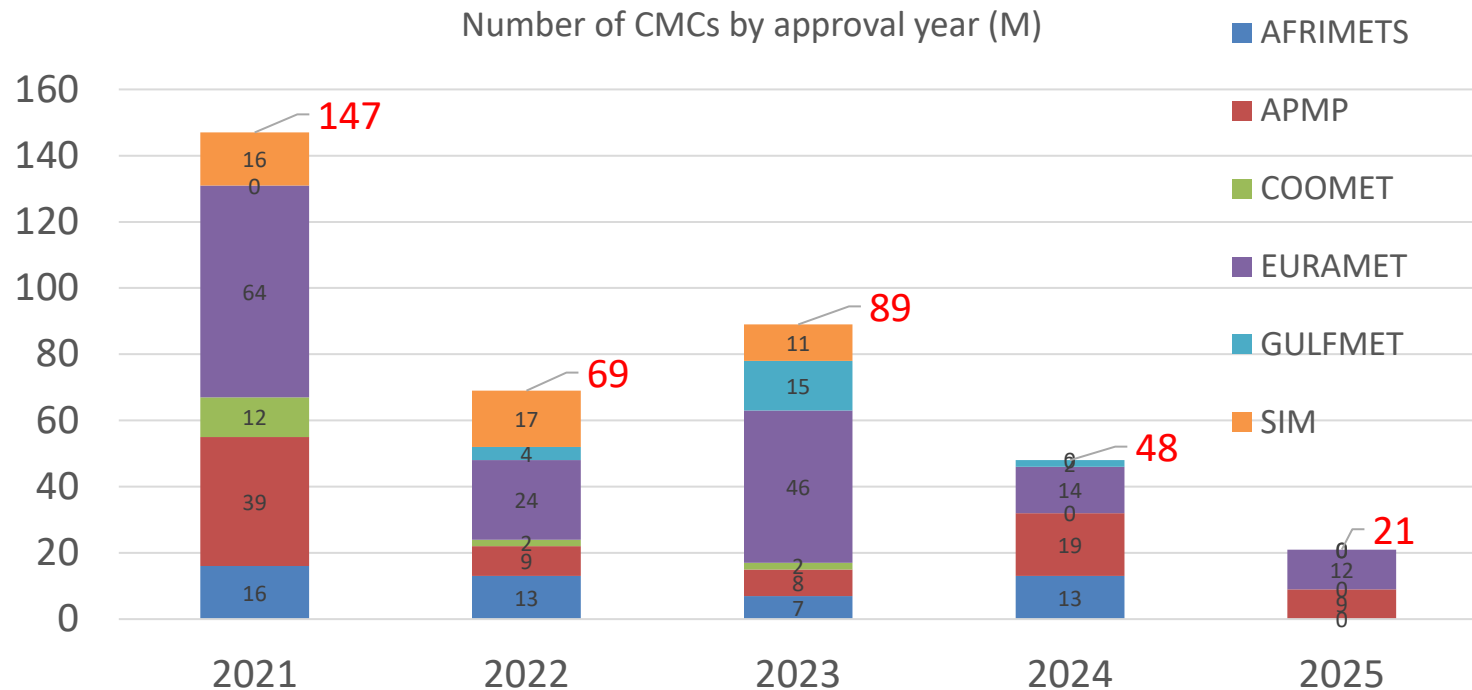
Figure 10 Flow diagram for JCRB (inter-RMO) review (extracted from CIPM MRA G-13)

Published
KCDB Office

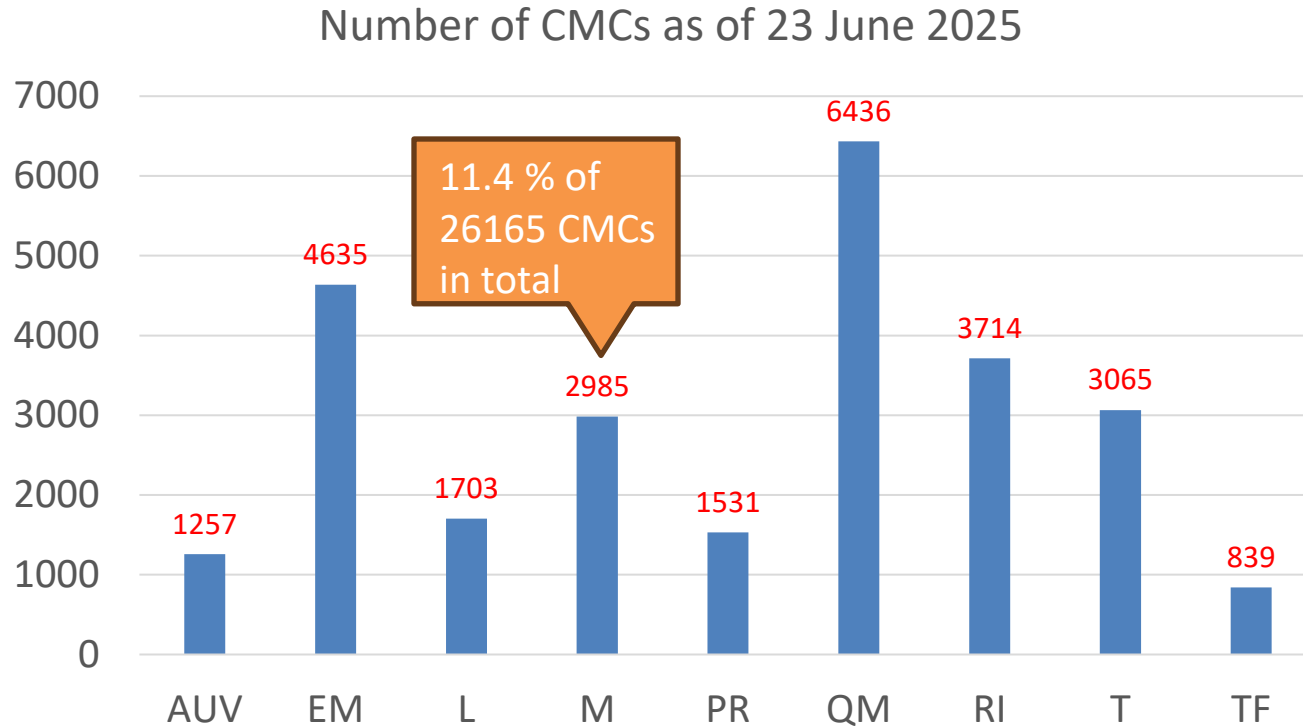
Statistics of the CMC Review

- ◆ Statistics are available through two methods
 - Reading the KCDB Reports
 - ◆ [KCDB reports - BIPM](#)
 - Viewing statistics through the KCDB interface
 - ◆ <https://www.bipm.org/kcdb/cmc/statistics/public>
 - ◆ Further details may be viewed after logging into the KCDB

Number of CMCs by approval year



Number of CMCs



Status of the CMCs under CCM within the JCRB review stage

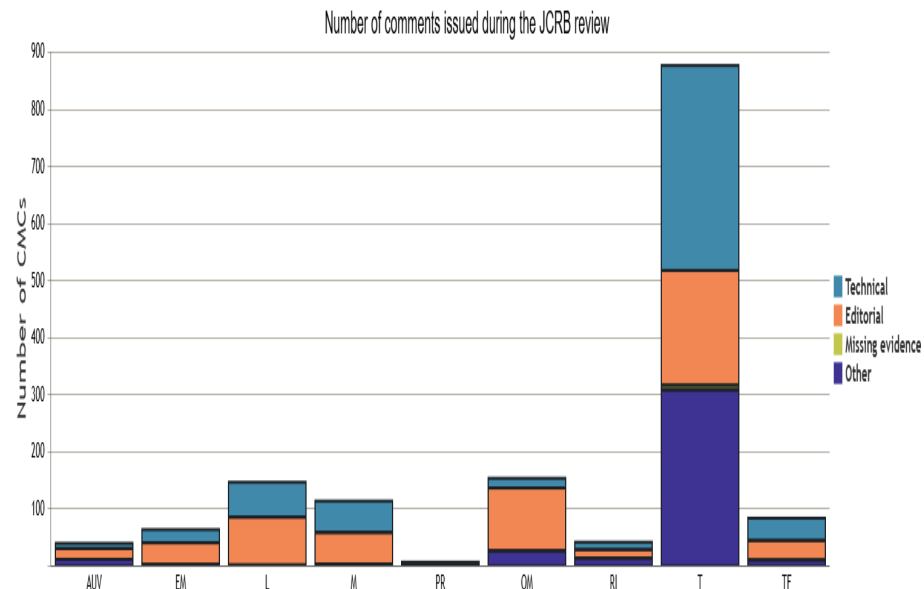
RMO	Number of CMCs under review (M)	Number of CMCs under revision by the Writer (M)
AFRIMETS	0	2
APMP	20	11
COOMET	0	0
EURAMET	15	20
GULFMET	2	0
SIM	2	0
Total	39	33



Long ones are called
“Hanging CMCs”

Number of comments issued during JCRB review

Metrology area	Number of technical comments	Number of editorial comments	Number of missing evidence comments	Number of other comments
AUV	9	19	0	12
EM	23	38	1	2
L	61	84	0	2
M	55	55	2	2
PR	0	6	0	1
QM	17	110	0	27
RI	13	15	0	14
T	359	201	8	309
TF	39	34	0	11
Total	576	562	11	380



Loss of rights within the JCRB review

Reason for loss of rights	AFRIMETS	APMP	COOMET	EURAMET	GULFMET	SIM
No reply to review request	5	3	2	2	25	5
Accepted but did not complete the review	0	4	2	0	0	17
Reviewed but did not vote when requested	0	0	1	0	0	1
Total loss of rights	5	7	5	2	25	23

4. Issues related to the CMC Review and comparisons

Issues related to the CMC Review and comparisons

- ◆ Hanging CMCs
- ◆ CMCs Slipping through the JCRB Review
- ◆ Comparisons over 5 years

Hanging CMCs in the JCRB review phase

Correspondence June
2023

Dear colleagues

The attached document lists CMCs that were to date not actioned by respective writers after they were sent back for revision. I propose that we set up a time limit in KCDB for writers to action reviewer queries and when that lapses, the CMCs get automatically removed from KCDB.

Regards

Your proposal to set up a time limit in the KCDB for the revisions to be completed by the writer would require a prior change of the CIPM MRA guideline CIPM MRA-G-13 as the KCDB can only operate within the requirements set by the CIPM MRA policies but cannot invent its own rules. Changing the CIPM MRA-G-13 would be possible after discussion by and recommendation of the JCRB, followed by a CIPM decision.

Before approaching the JCRB, the question should probably be answered who would gain from this change and how much the effectiveness of the CIPM MRA processes would benefit. We appreciate your enquiry because, we will take this kind of analysis to the constant monitoring task of the JCRB Executive Secretary (CIPM MRA-G-13, Section 5.2, last paragraph).

Another, more technical, but at the same time more subtle way to achieve the goal could maybe be an automated notification sent to the CMC writer by the KCDB. This way the writer could be continuously asked to complete the requested revision each week after a first "quiet phase" of, let's say 4 weeks.

Action JCRB/47-2 (2023)

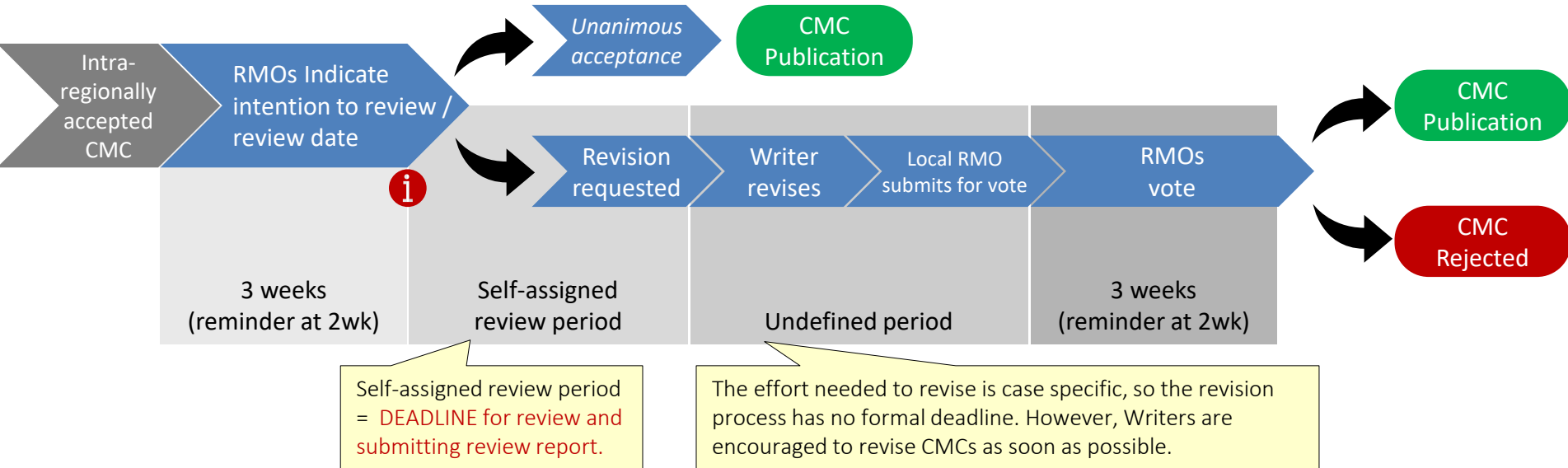
The JCRB noted that there are sometimes multiple iterations of comments between reviewers and writer during the JCRB review. The JCRB encourages:

- the RMOs to ensure that the intra-RMO review is always carried out thoroughly so that points of detail are resolved before the JCRB review,
- the CC WGs on the CIPM MRA and RMO TC/WGs to consider providing a mechanism to exchange comments during the JCRB review in a way that is transparent, and
- the sharing of best practice between CC WGs on the CIPM MRA for efficient JCRB review.

Another inquiry
received for a
specific CMC from
2021

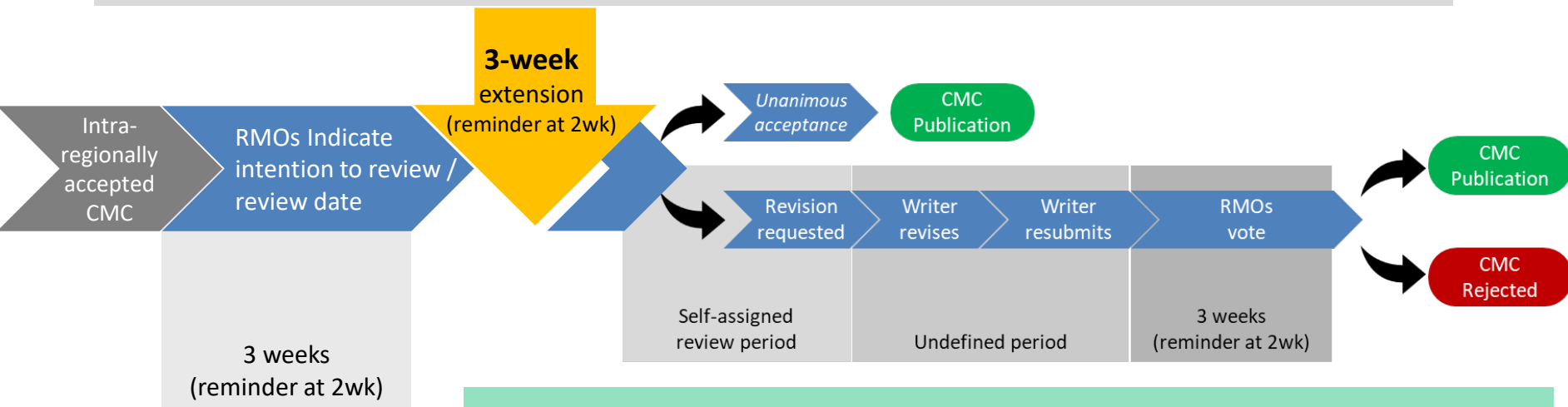
JCRB review

The JCRB review has a set of deadlines programmed in the KCDB web platform.



JCRB review: CMCs slipping through

If NO RMO has registered their intention (“review” or “will not review”) from RMO TC /WG Chairs within the initial three-week deadline, the KCDB platform adds additional three weeks. (Resolution JCRB/48-1)



However, CMCs are *still* slipping through:

- **No RMO shows intention even after the additional 3 weeks**
- **No RMO voting at the RMO vote**

Comparisons over 5 years

- ◆ Action JCRB/48-2 (2024)
 - The JCRB Executive Secretary was requested to **send a list of comparisons older than 5 years to the CCs and RMOs** that are overseeing them. The JCRB requests the CCs and RMOs to review the status of each of their comparisons in this category and to report to the 49th meeting of the JCRB on the cause of the delays and the actions they will take to address the delays.
- ◆ A follow up is undergoing until 28 July
- ◆ Preliminary outcomes from the previous follow up conducted in October 2024:
 - 20 comparisons approved,
 - 5 comparisons had propagation in status,
 - and 7 comparisons were ‘abandoned’

List for CCM comparisons over 5 years

line number	CC/RMO	comparison_identifier	Pilot institute	measurement_start_year	measurement_end_year	progress_status	To be filled by CC/RMO		
							Cause of the delay	Actions to address the delay	Comments
40	CCM	CCM.D-K5	Bundesamt für Eich- und Vermessungswesen	2018	2023	Report in progress, draft A			
41	CCM	CCM.F-K3.1	Physikalisch-Technische Bundesanstalt	2017	2018	Measurements completed			
42	CCM	CCM.F-K2.a.2	National Physical Laboratory	2019	2019	Measurements completed			
43	CCM	CCM.FF-K2.2011	VSL	2013	2015	Report in progress, draft B			
44	CCM	CCM.P-K4.2012.1	National Institute of Standards and Technology	2019	2019	Protocol complete			

Following information are requested in this follow up: **Deadline 28 July**

- *Cause of the delay*
- *Actions to address the delay*
- *Comments*

Lists for RMO comparisons are sent to RMOs

line number	CC/RMO	comparison_identifier	Pilot institute	measurement_start_year	measurement_end_year	progress_status	To be filled by CC/RMO		
							Cause of the delay	Actions to address the delay	Comments
75	EURAMET	EURAMET.EM-K5.2018	VSL	2019	2020	Report in progress, draft A			
76	EURAMET	EURAMET.M.F-K3	Physikalisch-Technische Bundesanstalt	2013	2021	Report in progress, draft B			
77	EURAMET	EURAMET.M.D-K5	Bundesamt für Eich- und Vermessungswesen	2018	2023	Report in progress, draft A			
78	EURAMET	EURAMET.PR-K6.2015	Conservatoire National des Arts et Métiers/Laboratoire Commun de Métrologie	2016	2018	Measurements in progress			
79	EURAMET	EURAMET.PR-K6.2015.1	Conservatoire National des Arts et Métiers/Laboratoire Commun de Métrologie	2018	2019	Measurements in progress			
80	EURAMET	EURAMET.L-S2.3.n01	Physikalisch-Technische Bundesanstalt	2018	2021	Report in progress, draft B			
81	EURAMET	EURAMET.M.F-S2	Bundesamt für Eich- und Vermessungswesen	2012	2013	Measurements in progress			
82	EURAMET	EURAMET.M.T-S5	Laboratoire national de métrologie et d'essais	2018	2019	Planned			
83	EURAMET	EURAMET.PR-S4	Laboratoire national de métrologie et d'essais	2012	2013	Measurements completed			
84	EURAMET	EURAMET.QM-S13	Laboratoire national de métrologie et d'essais	2019	2020	Report in progress, draft A			
85	EURAMET	EURAMET.T-S7	Istituto Nazionale di Ricerca Metrologica	2018	2019	Report in progress, draft B			
86	EURAMET	EURAMET.TF-S1	Główny Urząd Miar, Central Office of Measures	2019	2021	Measurements completed			

Following information are requested in this follow up: **Deadline 28 July**

- *Cause of the delay*
- *Actions to address the delay*
- *Comments*

5. Inquiries received

Inquiries received

- ◆ How far the light shines, in specific for large mass > 50 kg
 - A letter with other inquiries was received
 - What would be a supporting evidence for CMCs for large mass > 50 kg
 - ◆ Do we have a guideline to ensure consistency within the CCM?

JCRB Executive Secretaries' Continued Support Advancing the BIPM – into the Future with 25 Years of Experience on the CIPM MRA

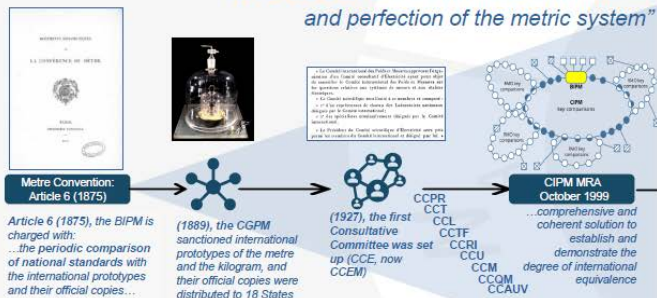
Angela, Ismael, Pedro, Luis
Establishing policies and procedures

Ömer, Chingis, Doug
Implementing the framework

Nikita, Sten, Olav, Ibrahim
Perfecting the process



“...to assure the international unification and perfection of the metric system”



JCRB Executive Secretaries Timeline



Establishing procedures



Emphasizing importance



Streamlining



Perfecting processes



Improving activities



Analysing Monitoring activities



Educating



Informing



By Dr Angela Samuel, Dr Ismael Castelazo, Dr Pedro Espina, Mr Luis Mussio, Mr Omer Altan, Mr Chingis Kuanbayev, Dr Douglas Olson, Mr Nikita Zviagin, Dr Sten Bergstrand, Dr Olav Werhahn, Mr Ibrahim Ahmed

2025-05-12-BIPM-Welcomes-Dr-Kazuaki-Yamazawa-as-new-jcrb-executive-secretary-1

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BIPM welcomes Dr Kazuaki Yamazawa as the new JCRB Executive Secretary



Kazuaki YAMAZAWA
New JCRB Executive Secretary

The BIPM has appointed Dr Kazuaki Yamazawa from the [Asia Pacific Metrology Programme \(APMP\)](#) as the new Executive Secretary of the Joint Committee of the Regional Metrology Organizations and the BIPM (JCRB), bringing over 25 years of experience in measurement science, quality systems and international cooperation.

The JCRB plays a central role in advancing the [CIPM Mutual Recognition Arrangement \(CIPM MRA\)](#), which facilitates global trust in national measurement capabilities. Since its launch in 1999, the CIPM MRA has replaced the need for multiple bilateral agreements by enabling the mutual recognition of measurement standards and calibration services across nations.

Dr Yamazawa began his career at the [National Metrology Institute of Japan \(NMIJ, AIST\)](#) in 1999—the same year the CIPM MRA was signed. With a background in electrical engineering and thermometry, he has since held key positions in metrology and accreditation, including as Quality Manager at NMIJ and Chair of the [APMP Technical Committee for Quality Systems](#). He has also contributed to international frameworks such as [OIML-CS](#) and [ILAC AIC](#).

"It is a coincidence that I entered metrology the same year the CIPM MRA was signed," Dr Yamazawa said. "Having worked in both technical and quality-focused roles, I hope to support the continued global trust in the CIPM MRA and strengthen engagement across our regions."

As Executive Secretary, Dr Yamazawa will help coordinate with the six Regional Metrology Organizations, ensuring continued alignment and development of the CIPM MRA.

Thank you

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