

CCAUV RMOWG Report

SUN Qiao, APMP
CCAUV General Meeting

2017-09-21

List of participants

RMO TC or WG representatives

Chairman	Dr Qiao Sun (NIM)
AFRIMETS	Mr Riaan Nel (NMISA)
APMP	Mr Yu-Chung Huang (CMS/ITRI)
COOMET	Dr Alexander Enyakov (VNIIFTRI)
EURAMET	Mr Stephen Robinson (NPL)
SIM	Dr Gustavo Ripper (INMETRO)

BIPM/CCAUV

CCAUV President & CIPM	Dr Takashi Usuda
CCAUV Executive Secretary	Dr Gianna Panafilo
BIPM KCDB Coordinator	Dr Susanne Picard
JCRB Executive Secretary	Mr Nikita Zviagin

List of participants

GUESTS

Mr Ian Veldman	(NMISA)
Dr Enver Sadikoğlu	(UME)
Dr José Salvador Echererri á Villag ómez	(CENAM)
Dr Andrés Pérez Matzumoto	(CENAM)
Dr Alexander Yankovsky	(VNIIM)
Dr Salvador Figuerro-Barerra	(DFM/DPLA)
Dr Ryuzo Horiuchi	(NMIJ/AIST)
Dr Akihiro Ota	(NMIJ/AIST)
Mr Laurence Dickinson	(NMIA)

Meeting agenda

1. Welcome to the BIPM (the CCAUV President)
2. Appointment of a Rapporteur
3. Confirmation of the agenda
4. Approval of the minutes of the 8th meeting, held in 2015.
5. Action points from the 8th meeting, held in 2015
6. Review of service categories
 - 6.1 Proposal for a new unified structure for service category
 - 6.2 Issue of adding a service item using the electrostatic actuator method
7. Actions for sustainable MRA operation
8. Discussion of KCDB issues
9. JCRB documents
10. Other agenda points
11. Recommendations for actions
12. Date of next meeting

Action points from the 8th meeting

CCAUV-RMOWG/2015/A01 - TC-Chairs to circulate the COOMET proposal for **a service category** on ‘electrostatic actuator response’ within their RMOs in order to reach a decision.

CCAUV-RMOWG/2015/A02 - Mr Veldman to pursue new requirements for **a service category** on ultrasound power units with contact at NMIA, Australia.

CCAUV-RMOWG/2015/A03 – In order to finalise the **revised vibration service category structure**, Mr Veldman and Dr Bruns to review requirements for angular quantities, Mr Veldman to discuss practicalities with implementing the proposed new structure in the CMC database, and Mr Veldman to circulate the final proposals to the RMOWG for final approval.

CCAUV-RMOWG/2015/A04 - Dr Alexander Enyakov to circulate the proposal for revised **service categories** for ultrasound power to the RMOWG for final approval.

CCAUV-RMOWG/2015/A05 – Mr Veldman and Dr Ripper to formulated the details for entry into the **Classification of Services document**, beginning by considering requirements for charge amplifiers.

Review of service categories

6.1 Proposal for a new unified structure for service category

First level:

"unit"

second level:

instrument (device that measures "unit" and has output in terms of "unit");

calibrator (device that reproduces "unit" in continuous or pulse mode);

transducer (device that converts "unit" into some electrical value - current, charge or voltage).

lower levels:

modes, types of output, parameters and measurands.

Accepted and approved

Review of service categories

Approved:

Branch of vibration

Branch of auxiliary devices

Branch of sound in air

Further modification:

Branch of sound in water

Review of service categories

6.2 Issue of adding a service item using the electrostatic actuator method

1.4 Electrostatic actuator normalized response

1.4.1 Modulus: *microphone type, frequency*

Grayed and Accepted

Actions for sustainable MRA operation

7.1 The approach adopted to limiting participation in CC KCs that use sequentially travelling standards.

10 to 15 participating labs

Period of 1 year

Thank you for your attention!

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