

CCAUV/13-11

APMP TCAUV Activity Report 2013

kg

m

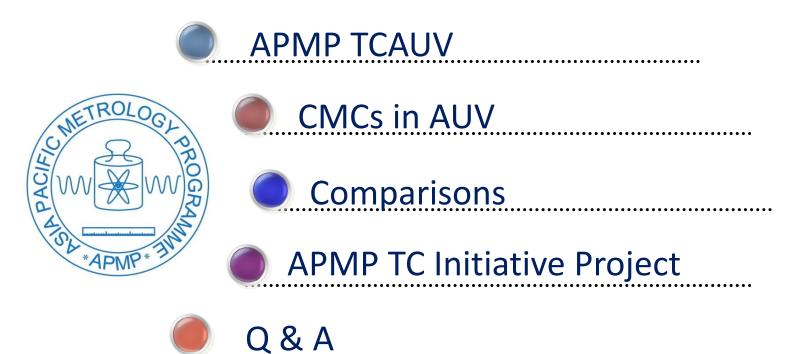
Qiao SUN the 9th CCAUV meeting 30-31 Oct 2013 BIPM



Contents

kg

m





APMP TCAUV

kg

m

APRESS A





APMP TCAUV

15 Members:

•12 Full Member Economies

Australia, China, Chinese Taipei, Hong Kong China, India, Indonesia, Japan, South Korea, Malaysia, Singapore, Thailand and Vietnam

•3 Associates

Egypt, Fiji and South Africa



• Qiao SUN (Joe), NIM, China TCAUV Chair, GA 2011-2014



KCDB

CMCs in AUV

kg auxis m

APRESS A

No.	Economy	Laboratory	Before 2013	Up to date	A	W	V	Status
1	Australia	NMIA	23	23	13		10	
2	China	NIM	53	53	19	3	31	
3	Chinese Taipei	CMS	39	39	21		18	
4	Hong Kong	SCL	15	15	15			
5	India	NPLI	34	34	23		11	
6	Indonesia	KIM-LIPI	15	15	15			
7	Japan	NMIJ	8	8	4		4	
8	South Korea	KRISS	41	41	33		8	
9	Malaysia	NML-SIRIM	21	21	8		13	
10	Thailand	NIMT		18	18			
11	Singapore	A*STAR						Preparation
12	Vietnam	VMI						
Total			249	267	169	3	95	



Inter-RMO review

- EURAMET.AUV.2.2012 published
- APMP.AUV.10.2012 *published* Though rejected on the first round.

Note: RMO supplementary comparisons can be used as direct supporting evidence, only after approved by KCWG and published by JCRB, as stipulated in the latest version of CIPM MRA-D-05, June 2012.



CC Level

Comparisons

m

- CCAUV.A-K5 *in progress* with KRISS, NIM and NMIJ as participants (3).
- CCAUV.U-K3 Draft A with KRISS, NIM, NMIA and NPLI as participants (4).
- CCAUV.V-K2 Draft A with KRISS, NIM and NMIJ as participants (3).
- CCAUV.V-S1 *in progress* with KRISS as participant (1).



TC Level

Comparisons

- APMP.AUV.A-S1 Draft B with NMC A*STAR, CMS, KIM-LIPI, KRISS, NIM, NIMT, NIS, NMIA, NMIJ, NMISA, NML-SIRIM, NPLI and SCL as participants (13).
- APMP.AUV.V-K1.1 Draft B with NMC A*STAR, CMS, NIMT and NMIJ as participants (4).
- APMP.AUV.V-S1 *Published* with CMS, KRISS, NIM, NIMT, NMIA, NMIJ and NMISA as participants (7).



TC Level

Comparisons

APMP.AUV.A-S1 Draft B with NMC A*STAR, CMS, KIM-LIPI, KRISS, NIM, NIMT, NIS, NMIA, NMIJ, NMISA, NML-SIRIM, NPLI and SCL as participants (13).

Recommendation TCAUV12-1: The 12th TCAUV meeting recommended that NMIs involved in the comparison should send emails about their decisions to TC chair before Dec 15, 2012 whether APMP.AUV.A-S1 comparison is just for a strategic purpose or as CMC supported evidence. If for the latter, a task force should be organized by technical volunteers for the major revision of Draft B report.

Actions

- NIMT, NMIA, NIM and CMS work together for a new report which will meet the basic technical requirements from KCWG,
- all the information and material shared within this team,
- Dr. Andrew Scott is responsible for the drafting work of the new report and others assist him actively and make their input as well.

Comments of the KC-WG of CCAU on the report of REGIONAL SUPPLEMENTARY COMPARISON PMP.AUV.A-S1 Draft B

Although this is a report of a supplementary comparison, we have to assume that the intention is to use it for the justification of future CMC entries in the KCDB. For this urpose some conditions should be met by the report

- eference value" is reserved for CIPM KCs, a mean value could be defined as "result". On this behalf the report is unclear in so far as the weighting for the calculated mean is not reported, and the contribution or exclusion of outliers (NI o the mean is not discussed. The proposal is, to use a weighted mean with its correspondingly calculated uncertainty in those cases where the reported incertainties of the participants differ and to exclude outliers from the calcu
- s a higher level CIPM-comparison is not existent for e helpful to calculate, agree upon and report degrees of Without those the comparison does not really fit with the ge of KCs layed out by the CIPM MRA
- the above items were omitted on purpose and in concordance with the articipants, this should be clearly stated at the beginning of the report, together

echnical comments:

- It would be helpful to include explicitly the values of the measurement uncertain eported by NIMT for their stability measurements. Also, these values could be ndicated on the graphs (such as in Figs. 1-1 to 2-2).
- 2. The data shown in the Fig. 1 graphs show some particular feature worth noting and commenting on

9/11



TC Level

Comparisons

- APMP.AUV.A-P1 *in progress Sound level meter in the free field* with KRISS and NIM as participants (2).
- APMP.AUV.A-P2 *Draft A* Multi-frequency acoustic calibrator with NMC A*STAR and DPLA as participants (2).
- APMP.AUV.V-P1 *in progress Shock acceleration* with CMS, NIM, NIMT, and SPEKTRA as participants (4).
- Note: 1. usually close-related to previous TC initiative projects completed.2. the chance to try something new.



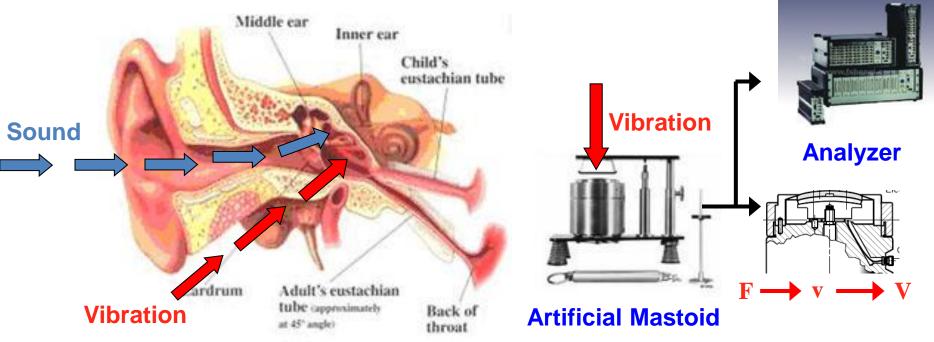
APMP TC Initiative Projects

m

TCAUV Project 2013

• Research on technique for Artificial Mastoid Comparison with NIM and NMIA as participants.

(US\$ 5000)







kg

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Thank you!



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