

Draft Report

Session I, 1st November 2015: 1330-1700

- **DEC Chair's report:** Dr Pinandito – Issues covered included:
 - Instrument bank
 - APMP Focus Groups
 - **2016 DEC budget – increasing to US\$45k**
 - Report on DEC activities including mid-year meetings – Noted that 2016 midyear meeting scheduled for June 2016 in Thailand
 - DEN Award
 - **Definition of “developing NMI” (being developed in discussion with Dr Thomas Liew, APMP Treasurer)**
 - Review of membership fees for FY2016

Discussion:

Dr Manson (APMP Lead TC Chair): Suggest DEC members inform their technical staff about the increased budget in order to access funding support to attend TC meetings.

Dr Aggarwal (DEC member, NPLI): With respect to the Energy Efficiency Focus Group (FG), NPLI has a large program underway on solar/photovoltaic cells and can help APMP developing NMIs.

Dr Takatsuji (EC member and member of MEDEA Coordination Committee, CC): Instrument bank: some customs issues with transferring weights to Philippines and Pakistan; Directors of Philippines and Pakistan NMIs may need to negotiate with customs to have them cleared. Under MEDEA, APLMF's Australian and NZ members are also considering transferring equipment.

Mr Rashid (member of MEDEA CC: How much of the DEC budget has been used? Dr Liew (APMP Treasurer – as well as CIPM Member): Only \$15k has been used to date.

- **APMP Chair's report:** Dr Fisk – issues covered included:
 - BIPM “CIPM MRA Review”
 - Status of APMP Strategy, Work Plan and Focus Group initiative

Discussion:

DEC should consider funding support to take advantage of BIPM's Capacity Building and Knowledge Transfer (CBKT) initiative.

Dr Samuel (DEC member, NMIA) clarified that FG membership is open to all APMP members. Mr Prayoon added the importance of ensuring that FG activities are relevant to developing NMIs as well.

Dr Aggarwal: Are there protocols for the CBKT initiative? Dr Liew: The focus in 2016 is on SIM and AFRIMETS, as funding support is being provided by NIST. APMP can participate in activities by self-funding (e.g. using the DEC budget). Dr Louw (DEC member, NMISA and CIPM Member): NIST funding is for specific activities for the 2016 Summer School or Train-the-Trainer activities, but these are open to SIM, AFRIMETS and APMP.

- **Lead TC Chair's report:** Dr Manson – reported on TC Chairs meeting:
 - FGs discussion – participation of two FG Chairs: DEC should use the questions posed by each FG to foster collaboration with FGs and TCs, possibly with more developed NMIs.

- ***Use of calibrations to support CMCs: The proposal is to use a commercial calibration from an NMI with a published CMC as an alternative to finding someone to agree to a bilateral comparison. The report would go through normal review process of the Consultative Committee as the basis for CMC claims. The link laboratory would be able to waive the calibration fee if they choose. This has now been proposed to the JCRB and has the general support of the TC Chairs.***

Dr Takatsuji: There is nothing in the CIPM MRA guidelines that prohibits the use of commercial calibrations that there may be some concern about the impartiality of results. The involvement of independent third-parties would help address this.

- **Reports from stakeholder organisations**

- **PTB Report:** Mr Uwe Miesner/ Dr Kristin Kiesow – Issues covered included:

- New Asia Policy of PTB's funding agency (BMZ):
 - Extending partnerships with emerging economies China, India, Indonesia
 - Fostering regional cooperation + integration: ASEAN, SAARC
 - Promoting environmental and social standards in value chains
 - Promoting climate, energy efficiency and biodiversity
- Relevance of QI

- **AFRIMETS Report:** Dr Louw – Issues covered included:

- GA was held in August 2015 in South Africa, the new President is Dennis Moturi, of KEBS, Kenya, Vice-President for scientific metrology from Ethiopia
- 2016 meetings are in Tunisia in the 2nd half of July, the DEC will be invited
- 2015-2016 SADC PTB Project to submit CMCs

- **BIPM/CIPM Report:** Dr Liew – Issues covered included:

- CB KT project,
- CIPM MRA Review;
- GULFMET accepted as provisional RMO into JCRB;
- CCU meeting in 2016 to prepare for 2018 redefinition of SI units

- **Transfer of DEC Chair** from Dr Pinandito to Mr Prayoon at end of Session 1.

Session 2, 3rd November 2015: 0900-1230

- **Report of the MEDEA Survey on DEC NMIs:** Mr Rashid and Dr Kiesow

Issues covered:

- How can we help non-participant economies join? Cambodia, Fiji, Nepal, PNG, Sri Lanka are not members of the Metre Convention or the CIPM MRA
- Why do other developing NMIs have no CMCs?
 - Competency
 - Facilities, equipment
 - Very low capabilities and infrastructure in chemistry in particular
- Sharing of Lessons learned by , e.g. Thailand, Philippines and Vietnam

Dr Takatsuji: An issue may be misunderstandings re: CIPM MRA guidelines Dr Masuku added that there may be a misunderstanding about the concept of “low level” capabilities. Developing NMIs have fit-for-purpose expertise so provision should be made within the system for this. Dr Fisk added that it is important that every NMI thinks carefully about what they want CMCs for – they are intended to be for clients, not to show how good your NMI is.

- **APMP Focus Group activities – involvement of developing NMIs:** Dr Samuel

- (Clean Water)
- Food Safety
- Climate Change
- Energy Efficiency
- Medical Metrology

Mr Prayoon, In Energy Efficiency, NIMT has undertaken a survey of key industries to see whether they apply metrological approaches and to raise awareness of why this is important. Engagement has been focused on what is important to *them*, e.g. profits, trade, consumer safety, regulation.

Dr Agarwal: NPLI is keen to be involved in the Energy Efficiency FG; in terms of Climate Change, this is the responsibility of another body in India. NPLI will collaborate with them to support APMP.

Dr Zakaria (DEC Member, NMIM): The FGs can help NMIs demonstrate how they supports SMEs, e.g. through audits, to identify gaps and needs. This would also be true for the other FGs.

Dr Masuku: The topics are of great interest to South Africa, especially energy efficiency and food safety (noting NMISA’s involvement in the CBKT program on mycotoxins in food).

Mr Miesner noted that, from PTB’s point of view, there are similar issues re: renewable energy, i.e.

- Technical competence
- Technical solutions to demonstrate impact to policy makers and stakeholder lobbying
- Lessons shared by developed NMIs
- Division of tasks – complementary prioritization

Dr Samuel asked if any of this material is available (in English) and could be shared across regions.

Mr Miesner will advise.

Mr Rashid: Challenges for NMIs include not being engaged with policy makers and issues can be under other Ministries.

Dr Park (DEC Member, KRIS): Is the Focus Group funding only one-off? Dr Fisk responded that this is not intended to be a single injection of funds but to provide seed funding.

See also attached slides

- **Discussion re: BIPM CBKT initiative and DEC input to CIPM MRA Review**

Dr Fisk asked for inputs from DEC members re: barriers to entry. Responses included:

- Familiarity with procedures re: CMCs and Quality Systems including internal audits
- Language barriers, funding, access to experts.
- The Mongolian representative noted that the PTB project has made a significant difference to them. MASM has 9001 Certification through AFNOR (France); and is participating in 4 comparisons but is waiting on the results in order to publish CMCs. In other parameters, new staff are being recruited and have to be developed. MAS was accredited by the Polish Accreditation Body but had to cancel this due to not having funding to maintain accreditation. MASM is seeking a technical peer review from APMP; it has no staff or Standard Reference Materials for chemistry; and is waiting for a comparison in length at their level.
- Mr Hung (DEC Member, VMI) agreed that a barrier is the availability of comparisons at the right level, adding that being able to access commercial calibrations will be very helpful.