

Minutes of APMP TCTF-2007

- Venue: The Menzies Hotel, Sydney, Australia
- Time: Monday 29 October, 2007 (09:00 – 15:50)
- Agenda: refer to the file (TCTF2007_Agenda.doc)
- Attendees: refer to the file (TCTF2007_Attendee.xls)

Dr. Ho Seong Lee, TCTF Chair, welcomes the delegates. We had brief introduction of the delegates.

First presentation was Chair's report by TCTF Chair. Dr. Lee reported results of several meetings (Last TCTF Meeting, 7th APMP EC/TC Chairs Joint Meeting, 14th DEC Meeting), JCRB Issues (mostly CIPM MRA related issues), APMP activities and using APMP website.

Dr. Warrington commented on a special request by DEC that it would be helpful if we consider as many documents as possible to be published as public.

Next presentation was the report of WG on MRA. Dr. Kwon reported the current KCDB CMC List. 7 NMIs are listed and 5 NMIs (KIM-LIPI, SPRING, MSL, NPLI, NML-SIRIM) are under Intra-Regional or Inter-Regional CMC review process.

After the presentation, Dr. Banerji (NPLI) requested to expedite the review process and also wanted to know the process of modifying CMC already published in KCDB. Dr. Hosokawa questioned about the initiative of starting CMC review process. These were treaded at the afternoon session. Dr. Warrington pointed out that many NMIs still did not participate in the CIPM MRA and did not publish CMC lists. Two things to help these NMIs were considered. One is to refer to the detailed guidelines at JCRB and APMP website. Another is possible workshop on this item.

Next presentation was the report of WG on GNSS. Dr. Warrington reported about its mission, objectives and action plans such as the pilot supplementary comparison, remote calibration and so on.

After the report, there were some questions and answers about the purpose of the GPS receiver round trip. Key role was found to reduce the uncertainty in time link appeared on Circular-T. Dr. Warrington told some other usefulness of using the round-trip results, for example, for NMIs not participate in the Key comparison. Dr. Banerji also asked about the uncertainty of a GPS disciplined oscillator showing non-white noise. Dr. Warrington answered that it was not only for this specific case and we needed to deal with this topic with continuing attention.

Next presentation was the report of WG on TWSTFT.

Dr. Banerji wanted to have some support from the WG on TWSTFT in choosing a TWSTFT system with

possible guidelines and other issues like sharing fees for the Two-way link. More detailed discussions were deferred to the afternoon session.

Next presentation was the report of WG on OFM. Dr. Hong reported about the history, importance and missions of the working group. Two main topics for the working group were confirmed again to be the optical frequency metrology as well as the optical frequency standard.

Dr. Warrington summarized the results of Time and Frequency Workshop and DEC issues.

Some priorities were proposed: Support developing economies for training, equipments and infrastructure, and remote calibration. Dr. Angela Samuel, Deputy Director of DEC, briefly introduced possible funding sources for training and building infrastructure. After some discussion, proposals were agreed as they were and the organizing committee of the time and frequency workshop was authorized to do more detailed future work. Also the remote calibration related works are decided to go on and necessary work was authorized to sub-working group of remote calibration under WG on GNSS.

In the afternoon, Mr. Ahnan Ma'ruf from KIM-LIPI proposed the ATF2008 to be held in Indonesia from 27 to 28 Oct. 2008. He said the candidate venue is Ancol in Jakarta, but needed to be confirmed later. At the following discussions, Dr. Hosokawa suggested three day workshop rather than proposed two day workshop and beginning date to be close to the APMP GA. Details are to be decided later with enough communication.

Dr. Hosokawa presented on Asia-Europe link. Until March 2009, NICT will pay the fee (5 MHz \$15900/month, \$190800/year) for using time divided session of SATRE-modem and NICT-modem link. From April 2009, participants need to share the fee for the integrated SATRE-modem link. Any NMI wants to join, deadline will be the end of July 2008.

There were a few questions and answers about choosing modem, using it properly, and current status of Asia-Europe link. Future of TWSTFT and carrier phase comparison was discussed.

Dr. Kwon talked about the 2nd round CMC review. Five NMIs were found to have plans to modify the CMCs already published. Dr. Lee told that the process would be shortened in time if the CMCs are processed in one group and suggested submission deadline for the 2nd round CMC review to be the end of Jan. 2008.

Dr. Lee put some items under discussion. One is about APMP representatives for CCTF WG on MRA and newly made CCTF WG on CMC. After discussion, regarding the recommendation of CCTF and similar topics for the two working groups, Dr. Ho Seong Lee, chair of APMP TCTF, was decided to take the role.

Next item was about necessary steps to promote the present APMP GPS round trip to be the official Supplementary Comparison. Last item was the candidate of next TCTF Chair. Dr. Lee asked that any volunteer succeeds him as a next chairman after the APMP 2008. The deadline is the end of this year. And he suggested to create the “Advisory Group for Chair” composed of former TCTF chairs and experienced senior members in order to advise the chair. (The end)