

THE 15th AFRIMETS GENERAL ASSEMBLY ZOOM PLATFORM 21 JULY 2022 11:00AM
Day 2 CLOSED GA Session

SESSION 1: WELCOME AND MINUTES

Meeting Chaired by	Dr Mohamed Amer
Minutes taken by	Mrs Duduzile Elouga
Type of Meeting	AFRIMETS CLOSED GA SESSION 2
List of Attendees	
Apologies received	None
Welcome and Official Opening	Chair welcomed everyone and wished them a fruitful discussion and resolutions.

SESSION 1:

1. Presentations	<p>1.1 TC- QS Management System: Dr Noha Khaled</p> <ul style="list-style-type: none"> ➤ Tanzania and Ethiopia were added in the list of TC QS Management System. ➤ There are no criteria to belong to the TC QS. ➤ Feedback from the Steering committee meeting; there are now two documents for approval guidelines of AFRIMETS Procedure, the documents are in English and French. ➤ Would like to thank Ms Soumaya Chaieb from INRAP, Tunisia for assisting in translating the document in French. ➤ There was an election of office bearers, see below new office bearers: <ul style="list-style-type: none"> ✚ Chairperson: Dr Noha Khaled ✚ Vice- Chairpersons: Dr Wynand Louw & Ms Soumaya Chaieb ✚ Secretariat: Dr Gouda Mohammed & Ms Lerato Ntamatamala <ul style="list-style-type: none"> ❖ Comments: Zimbabwe requested that on the official list it should be SRIDC-NMI Morocco; LPEE- LNM NMI- Nigeria attended the meeting on the 2nd day. ❖ Any member of the AFRIMETS can join the TC-QS, however the approval of the Quality System is a requirement for publishing CMCs so States party to the Meter Convention so that those that are signed for the Meter Convention and Associates. NMIs should request approval of the QS by TC-QS if they want to publish CMCs or are planning to join as a Member of Associate in the next few years. ❖ There are five States party to the MC and 8 Associates of the CGPM in Africa. ❖ If the country is only a member of AFRIMETS and hasn't signed the Metre Convention, the country doesn't need an approval but can belong to the TC-QS <p>1.2 TC- Legal: Eng John Paul Musimami</p> <ul style="list-style-type: none"> ➤ Meeting was held on the 11 & 12 July 2022 and discussed the following: <ul style="list-style-type: none"> ❖ Office bearers: <ul style="list-style-type: none"> ✚ Meeting agreed that the current office bearers must continue with their roles for a second term. ❖ TC-Legal issues: <ul style="list-style-type: none"> ✚ The poor attendance of meetings and participation in workshops was noted. ✚ The updated 2023 PAQI stocktaking document will be shared with the members. ✚ AFRIMETS sustainability ✚ There are several working groups and looking at activating programmes within the working groups.
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- ❖ **Workshops:**
 - ✚ There was a workshop held on Electrical smart meters.
 - ✚ Members are encouraged to participate in workshops.
- ❖ **Resolutions:**
 - ✚ Keeping the current office bearers for another term due to some activities that couldn't take place because of the COVID-19 pandemic.
 - ✚ SRMO will update the contact list and share it with the member state for a better communication.
 - ✚ TC-Legal request AFRIMETS EXCO to support specific interventions that may be proposed after data submitted during the PAQI stock-taking is evaluated.
 - ✚ TC Legal is to embark on having the harmonisation of the pre-package control requirements.
 - ✚ TC Legal appreciates the support they receive from the AFRIMETS secretariat to hold their on-line meetings.
 - ✚ TC Legal appreciates the supports given by OIML.
 - ✚ TAC Legal appreciates everyone who presented in the electricity meters workshop.
- ❖ **Comments:** TC Legal to send Dr Louw one or two resolutions that needs to be included in the closed GA final resolutions.

2. Other TC Presentations

2.1 TC - Mass & Related Quantities: Mr Thomas Mautjana

- **Meetings:**
 - ❖ Had a successful meeting that was attended by 13 representative countries which amounted to 37 participants.
 - ❖ Representation of Sub-RMOs (SADCMET, EAMET, NEWMET, MAGMET, ECOMET)
 - ❖ Received presentations from WG, TC M and Sub-RMOs chairs.
- **Feedback from CCM & WG meetings:**
 - ❖ CCMM K 8 has completed their measurements and will now contribute to the consensus value.
 - ❖ Egypt applied to be a member of CCM WG-Mass, and they were asked to make a presentation at the next WG Meeting in 2023.
- **Update on AFRIMETS TC-M Comparison:**
 - ❖ Several comparisons that were completed.
- **NMIS with recently published CMC in KCDB:**
 - ❖ A number of CMCs were published and as a result there are 6 NMIs in the TC that has CMCs in the KCDB.
- **CMC Intra Review:**
 - ❖ Egypt and Morocco's CMCs are currently being reviewed.
- **KCDB 2.0 Online Technical Exchanges:**
 - ❖ There are several experts that have attended the online technical exchanges and as a result, the TC can now create CMCs better.
- **Plan Comparison:**
 - ❖ There is a planned comparisons for torque transducers, but only a few NMIs will participate in this comparison.
- **AFRIMETS TC – Mass structure:**
 - ❖ Election took place and the current office bearers have confirmed their availability to serve for the next term.
 - ❖ There were also three additional names elected in the structure.

✚ **NB: The full presentation is available on the AFRIMETS website.**

2.2 TC – AUV: Mr Riaan Nel:

- The presentation is available on the AFRIMETS website.

2.3 TC – EM: Mr Alexander Matlejoane

- **CMS Reviews:**
 - ❖ Morocco's CMCs has been approved and published in the KCDB.

- **CMCs Reviews Resolutions:**
 - ❖ TCEM members will submit their CMCs for review only in January and July.
- **Comparison Status:**
 - ❖ The results for the resistance standards have been published in KCDB.
 - ❖ Digital multimeter comparison Measurements have been completed and a Draft A report is in progress.
- **Comparison Plan:**
- **2022 – 2024 Office Bearers:**
 - ❖ Election took place during the meeting.

✚ **NB: Full presentation is available on the AFRIMETS website.**

2.4 TC Temperature: Dr Efreem Ejigu

- **TC- T Meetings:**
 - ❖ Meeting was held through an on-line Zoom platform and 7 countries were represented.
- **Current & Planned AFRIMETS INTER-COMPARISONS:**
 - ❖ Currently running AFRIMETS TS3 & 5 supplementary comparison of Industrial PRT calibration capability.
 - ❖ AFRIMETS TS7 is a supplementary comparison for noble metal thermocouple started in June 2019 and is coordinated by NMISA and NIS.
 - ❖ Planned: SPRT, Radiation Thermometer, Humidity, AFRIMETS TK9.x and AFRIMETS TK9.xx
- **AFRIMETS PARTICIPATION IN CCT/APMP etc; COMPARISONS:**
 - ❖ Several APMP comparisons were reported. NMISA is the only AFRIMETS NMI currently participating in these comparisons. It is important as it links the measurement standards of the two RMOs.
 - ❖ CCT K7 2021 -Key comparison of water triple point cells.
 - ❖ APMP.TK4.2 Key comparison of local realizations of aluminum (Al) freezing point temperature.
 - ❖ APMP.TS11/S12 Local realization of radiation thermometer scale from Indium point to 2800 C.
 - ❖ APMP.TS16 Supplementary comparison of noble metal thermocouple.
 - ❖ APMP.TS13 Supplementary comparison of humidity.
 - ❖ APMP.TS17 Supplementary comparison of Air Thermometers.
 - ❖ CCT K11 Key comparison of blackbodies for infrared ear and forehead thermometers.
- **CMCs:**
 - ❖ In the past five years, 32 CMCs have been published in the KCDB.
- **Inter RMO CMC Review:**
 - ❖ AFRIMETS TC- T is actively participating in inter RMO CMC reviewing.
- **TC-T Chair Election:**
 - ❖ The current chair and vice chair have been re-elected to serve for the next term.

✚ **NB: Full presentation is available on the AFRIMETS website.**

2.5 TC-QM: Dr Angelique Botha

- **Africa Food Safety Workshop (AFSW) 2022:**
 - ❖ NMISA successfully hosted five days of the AFSW.
 - ❖ There was networking between AFRIMETS, Africa Food Safety Network (AfoSAN) and the Africa branch of the AOAC International.
- **AFRIMETS TCQM meeting:**
 - ❖ The TC-QM also had an opportunity to have their own physical meeting on the last day of the workshop.
 - ❖ There were several presentations during the meeting.
 - ❖ The current chair has been re-elected for another term.

- ❖ Next TC-QM meeting planned for November 2022
- **CMCs Submission Status:**
 - ❖ No movement during the past year.
 - ❖ NMISA reviewed 23 Gas CMCs during the 2021/2022 review cycle. Publication pending final approval on the KCDB.
- **Proficiency testing schemes:**
 - ❖ AFRIMETS proficiency schemes are available on the website.
- **Capacity building/Training**
 - ❖ INRAP will continue training on the competent production of CRMs.
 - ❖ AFRIMETS developed a project proposal for proficiency testing (PT) schemes for cassava products and waiting for a pre-finance letter from PTB.

✚ **NB: Full presentation is available on the AFRIMETS website.**


2.6 TC- PR: Mr Rheinhardt Sieberhagen

- **TC- PR Meetings:**
 - ❖ Hasn't held meetings for several years.
 - ❖ Dr Liesel Burger visited NIS to discuss cooperation between South Africa and Egypt. The two countries must arrange the next meeting for the TC-PR.
 - ❖ There was a plan to discuss how they can bring other members to join the TC-PR working group and only two countries showed interest: Kenya and Ethiopia.
 - ❖ Currently planning to organize TC-PR meeting before end of 2022, invite will be sent to all country members that are interested in Radiometry.
- **CMCs:**
 - ❖ The P&R (fibre optics) CMCs of NIS is still in the intra-review process. There are not enough technical reviewers in Africa.
 - ❖ The intra review process will be complete soon by a NMISA expert and someone from APMP.
- **Key Comparison:**
 - ❖ Luminous Intensity has been delayed due to technical difficulties and the APMP and CCPR comparison before finalizing the comparison.
 - ❖ NMISA will start with this comparison in 2023/24

2.7 TC-IR: Mr Sibusiso Jozela

- **TC- RI Structure:**
 - ❖ Chair and vice chair remained the same,
 - ❖ Mr Refuoe Pepenene has been nominated as the new Diagnostic Radiology representative.
- **Feedback from the Recent TC- RI Meetings:**
 - ❖ Virtual was held on the 18 July 2022 and there were only 5 countries represented with 12 participants.
 - ❖ The participants were encouraged to invite other people from their institutes to broaden the knowledge.
- **Report on Comparisons:**
 - ❖ There are comparison activities that were organized by other RMOs.
 - ❖ Radiology has also been involved in few comparisons.
- **Planned TC-IR Comparison:**
 - ❖ All comparisons must be performed before end 2022.
- **Current and future developments:**
 - ❖ There are a few on-going projects.
- **Regional Capacity Building:**
 - ❖ Ensure growth in the group.
 - ❖ Training will be provided to empower members.

	<ul style="list-style-type: none"> ❖ Organize technical workshops on completed developments projects within the participating laboratories to ensure that knowledge is shared and that there is growth in all NMIs. ➤ TC-RI CMC Activities: <ul style="list-style-type: none"> ❖ NMISA recently submitted CMCs for publication. ❖ 17 CMCs Published in December 2021, 11 CMCs published in June 2022. ❖ 4 are new CMCs and the rest modified ❖ NIS Egypt recently published a new CMC in air kerma. ❖ AFRIMETS TC- RI currently reviewing a EURAMET submitted CMCs. ➤ Feedback on the CCRI RMO WG Activities: <ul style="list-style-type: none"> ❖ RMO WG conducted IEA to ensure that the reports issued as part of the bilateral comparisons are reviewed and include the information that CMC reviewer felt was missing. ❖ The IEA has revised the report to be more comprehensive and to be used as support for CMC claims. ❖ All RMOs members will be able to use the report to support their CMC claims. <p>🚩 NB: Full presentation is available on the AFRIMETS website.</p> <p>2.8 TC-Length: Mr Oelof Kruger</p> <ul style="list-style-type: none"> ➤ TC-Length Meeting: <ul style="list-style-type: none"> ❖ There is a planned physical meeting that will include the laser workshop. ❖ Though there were no meetings, there were still activities during the year. ❖ There were several capacity building sessions through training and establishing facilities. ➤ 2020-2022 Comparisons: <ul style="list-style-type: none"> ❖ Comparisons are running as planned. ➤ Trainings: <ul style="list-style-type: none"> ❖ There were trainings and activities. ➤ Capacity Building Projects: <ul style="list-style-type: none"> ❖ Several projects were sponsored by PTB. (Laser workshop, supplied NMIs with 3D printers, Microscale, Tape tunnel project and Angle Calibration) <p>🚩 NB: Full presentation is available on the AFRIMETS website.</p> <p>2.9 TC- TF: Mr Chris Matthee</p> <ul style="list-style-type: none"> ➤ Meetings: <ul style="list-style-type: none"> ❖ No meeting held ❖ The WG has now been joined by Egypt and Tunisia and they have since been part of the WG discussions. ➤ CMCs: <ul style="list-style-type: none"> ❖ Egypt, South Africa, and Tunisia are currently the only ones with CMCs in the database. ❖ There will be a meeting before end of the year to discuss CCTF activities.
<p>3. Noting of SRMO reports (ECOMET, SADC MET & SADC MEL) will present live as a new SRMO)</p>	<p>3.1 ECOMET FEEDBACK: Mr Gabriel AHISSOU</p> <ul style="list-style-type: none"> ➤ Presentation was in French, available on the AFRIMETS website. <p>3.2 SADC MET FEEDBACK: Mr Donald Masuku</p> <ul style="list-style-type: none"> ➤ Background and Members: <ul style="list-style-type: none"> ❖ SADC MET is a structure which comprises of NMIs with 16 SADC members states including COMOROS who joined SADC in 2020. ➤ SRMO Activities undertaken during the reporting period: <ul style="list-style-type: none"> ❖ SADC MET had its GA meeting in May 2022. ❖ The discussions were focused on the SADC MET five years strategic plans and the implementations of planned activities.

	<ul style="list-style-type: none"> ❖ SADC MET participated in the 2021 APMP General Assembly. ❖ SADC MET participated in Africa Food Safety Workshop hosted by NMISA. ➤ Capacity building/Training: <ul style="list-style-type: none"> ❖ SADC MET managed to continue with capacity building and training activities which were planned for 2021. ➤ Measurement Comparisons: <ul style="list-style-type: none"> ❖ SADC MET NMIs will continue to participate in the AFRIMETS key and supplementary comparisons in the fields of Mass and Temperature in support of the project for submission of CMCs in the KCDB. ➤ Future Plans: <ul style="list-style-type: none"> ❖ Planning capacity projects, project proposal have been submitted to the cooperating partner. ❖ Support for ILCs closing workshops in the four fields of Mass, Volume, Dimension and Temperature. ❖ Support Tanzania Bureau of Standards as an Associate of the CGPM to submit CMCs in KCDB. ❖ Support development of SADC MET Five Year Strat Plan 2023 – 2028. ❖ NMISA has established a Metrology Training Centre for Africa which will offer metrology training and attachments in several fields. <p>3.3 SADC MEL REPORT: Mr Jaco Marneweck</p> <ul style="list-style-type: none"> ➤ Background: <ul style="list-style-type: none"> ❖ 16 member countries and 4 associated institutions. ➤ Objectives: <ul style="list-style-type: none"> ❖ Develop and maintain confidence in Legal Metrology, to achieve and maintain equivalence of Legal Metrology activities. ➤ Meetings: <ul style="list-style-type: none"> ❖ SADC MEL had their GA meeting in MAY 2022 hosted by Malawi, the meeting was attended by 11 countries, 1 associate member, OIML, SADC MET and PTB. ➤ Meeting outcome: <ul style="list-style-type: none"> ❖ Development of SADC MEL five-year strategic plan 2023-2028. ➤ Challenges: <ul style="list-style-type: none"> ❖ Legislation, Human Resource, Equipment and Awareness. <p> NB: Full presentation is available on the AFRIMETS website.</p>
<p>4. AFRIMETS 15th Resolutions</p>	<p>The Secretariat (Dr Wynand Louw) presented the Resolutions. It was accepted by the meeting, and it will be published on the AFRIMETS website.</p>
<p>5. Next GA Meeting</p>	<p>Egypt volunteered to host the next AFRIMETS GA Meeting, Ethiopia and Morocco indicated that they can be contacted for 2024 and 2025.</p>
<p>6. ANY OTHER BUSINESS AND CLOSURE</p>	<p>The Chair expressed his gratitude and appreciation to everyone who supported him throughout his term as a Chairperson of the AFRIMETS. He further expressed his special gratitude to the AFRIMETS secretariat Dr Wynand Louw, the CIPM President, for his dedication, hard work and ensuring that all AFRIMETS GAs becomes a success. He thanked his directors and his special friend Mr Ndwakhulu Mukhufhi, for all the assistance and support throughout his term as AFRIMETS Chair.</p> <p>He also thanked his colleagues and the TC Chairs and wished the new office bearers under the leadership of Dr Henry Rotich, the best of luck.</p>