



**UNCORRECTED MINUTES OF THE 16th SADC MET COMMITTEE MEETING HELD AT  
THE CROSS ROADS HOTEL, LILONGWE-MALAWI, 21 MARCH 2012**

**Opening:**



The Chairperson, Mr. Viki Kanama opened the meeting by welcoming all the members and observers present. He extended a special welcome to the PTB representatives, associate member from Kenya (KEBS), Uganda (UNBS) and SADC Secretariat. The Chairperson also extended thanks to the Malawi Government especially MBS for hosting the SQAM meetings.

1.	<b>Procedural Matters:</b>  An attendance list was circulated to identify members and observers present. The meeting noted with concern the absence without apology of our associate members, namely SON-Nigeria, and QSAE-Ethiopia. Though they were invited, no apologies were received except from NIS-Egypt	Action by
2.	<b>Finalization of the agenda</b>  The agenda was amended as follows: 9.1 Presentation by COMESA secretariat, Mr Ngonne on Tripartite Programme 9.5 Recommendation by PMC  The agenda was adopted at the proposal of Zimbabwe seconded by Botswana,	All
3	<b>Approval of the minutes of the meeting of the 15<sup>th</sup> SADC MET Committee.</b>  At the proposal of Zambia, seconded by Lesotho, the Minutes of the 15 <sup>th</sup> SADC MET GA Meeting held in Botswana on 24 March, 2011 were confirmed as correct record	All
4. 4.1	<b>Matters arising from the Minutes:</b> RC gave feedback on the 2011 resolution Resolution 2: SADC MET submitted roadmap to AFRIMETS. Resolution 4:	RC

	<p>PT Form ready but the challenge and delays are in the printing of the form due to SADC Secretariat not having budget to print the form. SADC secretariat promised the members that they will try to look for funding somewhere else.</p> <p>Resolution :5</p> <p>No action taken yet, but the PMC is proposing to hold a workshop</p> <p>.</p>	
5.	<p><b>Keynote Address</b></p> <p>5.1 Dr Mukayi Musarurwa gave a presentation entitled: <b>“Back To The Future: SADC MET 15 Years On [1997-2012]”</b></p> <p>In his presentation he talked about the</p> <ul style="list-style-type: none"> <li>• Beginning, (SADC MET)</li> <li>• Structural Phase</li> <li>• Achievements/Non-Achievements</li> <li>• Real vs Perceived Benefits</li> <li>• What needs to be done?</li> <li>• Challenges and</li> <li>• The Next Decade: SADC MET 2020</li> </ul> <p>The talk was well received by the members and also thought provoking. They all agreed that there is a need to rethink on SADC MET Roadmap, especially about the non-achievements.</p> <p><b>Full presentation will be available on SADC MET website on <a href="http://www.sadcmet.org">www.sadcmet.org</a></b></p>	Dr Mukayi Musarurwa
6	<p><b>Technical Reports Presentations:</b></p> <p>6.1 <b>Regional Coordinator’s report:</b></p> <p>The RC report report covered a summary of activities carried out and coordinated by the SADC MET Secretariat since the last SADC SQAM meetings held in Gaborone, Botswana and for the period under review.</p> <p><b>5<sup>th</sup> AFRIMET GA and working group meetings 15-22 July 2011, Kenya</b></p> <p>The GA received a number of keynote speeches and statements from the representatives of the international organizations present including:</p> <ul style="list-style-type: none"> <li>• Mr Andy Henson from the BIPM</li> <li>• Mr Ian. Dunmill from the OIML</li> </ul>	RC

	<ul style="list-style-type: none"> <li>• Mr Gengezi Mgidlana from NEPAD</li> <li>• Mr Juan Pablo Davila from UNIDO</li> <li>• Ms Katherine Wunderlich from PTB</li> </ul> <p><b>NCSLI Conference,21-26 August 2011, USA</b></p> <p>The RC attended the conference and he informed the meeting that during one of the session the main issue was on global metrology challenges which discussed the need for collaborations among NMIs and partnerships that exist through the respective RMOs.</p> <p><b>Tripartite Workshop</b></p> <p>RC reported that SADC MET participated in the COMESA, EAC and SADC Tripartite workshop held in Lusaka, Zambia to discuss the market integration of the three Regional Economic Communities (RECs) and the role of the quality infrastructure in the elimination of the technical barriers to trade. The meeting reviewed the status of implementation of activities from 2008 to 2011, and agreed on plans for the implementation of outstanding activities in standardization, scientific and industrial metrology, legal metrology, accreditation and conformity assessment. He further informed the meeting that a Tripartite Programme will be presented by COMESA Secretariat Mr. Andrew Ngonne later on.</p>	
6.2	<p><b>TC 1 Report by Chair: Mr. S. Kajane</b></p> <p>The Technical Committee 1 (Metre Convention &amp; BIPM Issues) Chair, Mr. S Kajane gave a summary of his report. He reported that the period under review was progressive with some few challenges encountered. The challenges relating to slow progress on running inter-comparison, customs related issues and unavailability of comparisons supporting the implementation of laboratory quality system. Inter-comparisons at SRMO level should be enhanced and participation in AFRIMETS activities particularly WG meetings should be encouraged. Engagements in advance with Custom Office at individual member state level are also crucial in addressing the aforesaid Customs’ challenge. He also raised a concern on the delays of the artifact which has been detained at customs for the past six months in Malawi and requested the officials from Malawi Bureau of Standards to engage the customs officials to have the artifacts released and sent back to the pilot lab. As a way forward he proposed enhancement on loop inter-comparisons.</p>	TC 1
6.3	<p><b>TC 2 Report by Chair: Mr. M. Rabolinyane</b></p> <p>The Technical Committee 2 (Metrology Education and Training) Chair, Mr Rabolinyane gave a short report. He informed the meeting that in BOBS, 4 officers have been trained in 3 areas of metrology that is: 2 officers trained in uncertainty of measurement at NLA (South Africa), 1 officer on training attachment for torque calibration, 1 officer trained on temperature metrology</p>	TC 2

	<p>In TBS, 4 officers attended a training course on calibration of electrical power and energy meters - NLA (South Africa), 1 officer attended a training on best practice statistical methods validation and uncertainty of measurement for laboratories (in Dar-es-Salaam, Tanzania), 2 officers attended a training workshop on the inter-comparison measurement of small volume in the East Africa Community (EAC) region.</p> <p>Mr Rabolinyane raised a concern that most members did not respond on the trainings done in their organizations, with the exception of Mauritius and Malawi. Mauritius intends to hold trainings in force, pressure and torque. Lesotho is to benefit through in house training under the PTB capacity building project.</p>	
6.4	<p><b>TC 3 Report by Chair: Mr. V. Kanama</b></p> <p>The Technical Committee 3 (Metrology Facilities and Infrastructure Development) Chair, Mr. V Kanama informed the meeting on metrology development as follows:          Botswana-BOBS, DRC-OCC and Zimbabwe-SIRDC-NMI have purchased some equipment.          In Angola there is no infrastructure. Lesotho has acquired a new building to use for trainings.          Accreditation: OCC Mass lab was accredited by COFRAC and Zambia-ZABS is in the process of accrediting their Mass and Volume labs.</p>	TC 3
6.5	<p><b>TC 4 Report by Chair Dr E Mvula</b></p> <p>The Technical Committee 4 (Metrology legislation) Chair Dr E Mvula gave a summary of his report. Seychelles- SBS has submitted the Preliminary Draft of the National Metrology Bill 2011 to the Attorney General's Office and is in the process of reviewing and finalising the document before it is sent to the National Assembly still this year.          In Namibia, the Ministry of Trade and Industry gave its blessing to the NSI to proceed with the process of drafting a new Metrology Act for Namibia. NSI has commenced with the process of drafting a new Metrology Act for Namibia based on the SADC draft model Metrology Act. The Act will cover both Scientific/Industrial Metrology and Legal Metrology and would contain provisions applicable to both a national metrology organization and a national legal metrology organization with a view of assigning responsibility for both disciplines to one organization.          South Africa has also indicated that they are at an advanced state of drafting a new Legal Metrology Act which will repeal the Trade Metrology Act, 1973 (Act no 77 of 1973) as amended.          DRC-OCC has put together a team to write an act on Metrology.</p>	TC 4
6.6	<p><b>TC 5 Report by Chair Mr. G Albasini</b></p> <p>The Technical Committee 5, (Metrology support for SMEs) Chair, Mr. G. Albasini informed the meeting that almost all the members did send him their Metrology day activities. He further thanked ZABS and SIDRC-NMI for uploading their Metrology day activities on the metrology website: <a href="http://www.worldmetrologyday.org">www.worldmetrologyday.org</a> . Mr Albasini pleaded with members not to send him pdf documents as it</p>	TC 5

	<p>becomes difficult for him when compiling his report. Mr Albasini further requested the members to come-up with something that can be used to create awareness on the importance of metrology to the political decision makers; it could be a brochure with some pictures.</p> <p><b>Full reports are available on SADC MET website on <a href="http://www.sadcmnet.org">www.sadcmnet.org</a></b></p>	
<p>7.</p> <p>7.1</p> <p>7.2</p>	<p><b>Country Reports</b></p> <p></p> <p><b>Angola</b></p> <p>As reported previously the challenges IANORQ is facing is due to lack of facilities and human resource. IANORQ has registered some private companies to do the calibration services for the country.</p> <p></p> <p><b>Botswana</b></p> <p>The Industrial Metrology continues to serve the industry, thus contributing to improved product quality. A particular note is made to calibration services that were extended to the Ministry of Health, Medical Testing Laboratories.</p> <p>The Unit experienced some challenges particularly regarding the demand for accredited services by the industry, fully marketing the calibration services and other issues such as understanding of the difference between calibrations of equipment, servicing/maintenance of equipment and verification thereof. The Unit in this case came with some interventions such as working towards accrediting calibration services, engaging with marketing office to draw the marketing strategy and measurement workshop to create awareness on these issues</p>	

7.3



**DRC**

The **Office Congolais de Contrôle** is a third party Conformity Assessment Body and its Metrology Department carry out National Measurement Traceability (Scientific and Industrial Metrology) in Kinshasa and calibrations (Industrial Metrology) in the rest of the country.

During this reporting period the Metrology laboratory had assisted the Legal Metrology Divisions of OCC and the Industries with provision of calibration services in the field of mass, volume and force.

OCC is preparing to meet challenges of accreditation in order to build a very strong measurement quality infrastructure that will support service and manufacturing industries.

7.4



**Lesotho**

The Department of Standards and Quality Assurance (DSQA), in the Ministry of Trade and Industry, Cooperatives and Marketing has started a country-wide survey in September 2011. The intention of the survey is to come up with a sound record of measuring instruments that need verification and calibration. The survey has so far covered, Maseru, which has several measuring instruments.

The technical committee on measurements has been established in Lesotho. It comprises of academia, industry, Non-Governmental organizations and regulators. The intention of this TC is to support metrology infrastructure in Lesotho by reviewing and updating the existing Weights and Measures legislation, harmonizing technical regulations, developing national metrology standards and advise on best metrology practices.

Due to developments and focus on metrology programme, and the support from PTB, Lesotho will, in a short space of time, be at par with other legal metrology institutions.

7.5



**Malawi**

The draft Metrology Bill, which is to replace the Weights and Measures Act (Chapter 48:04), is **under review** by the appropriate government machinery. It is hoped that the bill will be tabled in **the National Assembly** once the review process is finalized:

Despite plans to extend the scope of calibration activities, the MBS lacks proper accommodation facilities for the volume, dimension and temperature laboratories. However during the period under review the MBS has managed to secure accommodation for the temperature laboratory.

7.6



**Mauritius**

To meet the challenges of the Industry and the emerging conformity assessment bodies increasingly using high technology in their testing processes, MSB has to innovate and upgrade for higher calibration measurement capabilities.

After the accreditation of eight measurement scopes an effort is being made to accredit calibration activities in the force and pressure metrology laboratories. MSB is doing its best to be in line with the priority of government, that is -Accreditation of all public and private sector laboratories especially, in the medical area.

The calibration activities in 2011 were satisfactory and as per targets found in our Business Plan 2011 despite the bad economic status of industrial sectors. The unit has optimised on its available resources (man, machine, method) and is comparatively more efficient and effective. About 52 % of revenue generated falls under the three accredited laboratories which is again a positive investment. New measurement facilities will be established and other laboratories will be accredited to increase revenue and sustain the metrology unit.

7.7



**Mozambique**

Metrology activities in Mozambique are still running at a low pace; however from 2010 to 2011 the number of companies seeking calibrations services is increasing. This growth is happening because INNOQ is continuously sensitizing the society on the importance of the metrology by organizing seminaries, workshops and other kind of awareness campaign.

Taking into consideration the approval by the Government of the Decree Law for Metrology and its technical regulation also considering that the money was allocated to the construction of the new building for quality infrastructure, it is reasonable to conclude that the Mozambican Government is committed on implementing the quality policy approved in November 2003 and INNOQ is proudly in charge of the Mozambican quality infrastructure setup.

7.8



**Namibia:**

A number of activities have been planned for the NSI Metrology function to be completed during 2012/13. This includes the accreditation of the Mass Laboratory, drafting of the new Metrology Act for Namibia, accession of Namibia as an Associate Member to BIPM and correspondence Member to OIML, celebration of World Metrology Day and also conducting of public awareness campaign on the importance of Metrology

Significant progress has been made in Namibia in establishing a functional industrial metrology system in Namibia. The Metrology Unit has been busy mainly with the capacity building of its technical staff during the period under review and at the same time also attending to the industry's requests.

7.9





**Seychelles**

Accreditation for the calibration of mass from 1g to 100g will act as a stepping-stone for the NML to continue building up its capacity in order to obtain accreditation for additional parameters. This will provide confidence to our customers that the calibration services being provided are reliable and accurate. Such reliability and accuracy will also be of paramount importance for the fish testing laboratories of SBS, which have been recognized as the official testing laboratories for fish and fishery products exported to the EU.

7.10



**South Africa**

The NMISA continued to full fill its mandate as dictated by the Measurement Units and Measurement Standards Act, Act No. 18 of 2006, and is one of the Department of Trade and Industry (**the dti**) technical infrastructure institutions. The NMISA was well supported by **the dti** and could maintain the national measurement standards for the country and supplied the link to the international metrology world, for many regional NMIs. Various developments of measurement standards took place to ensure that NMISA stay abreast of local needs and international trends. The NMISA has embarked on a major recapitalization programme to upgrade its metrology infrastructure.

7.11



**Swaziland**

The area of metrology is one of the programmes that suffer as a result of the shortage of Government funds in Swaziland. SWASA being a “category A” government company, the impact is visible. This therefore means that industrial metrology may be a mission to set up effectively. In trying to mitigate the impact of the economic crisis, SWASA has had detailed discussions with the Department of Weights and Measures in an effort to establish a formal working relationship which is aimed at sharing resources such as laboratory space, training and artefacts. The meeting noted that a formal memorandum of understanding (MoU) needed to be drafted so that the collaboration would also be known by Swaziland Government. It was also noted that the current metrology Act of 1991 still needs to be reviewed in order to accommodate the field of industrial metrology. A team was set up to look into these activities including the identification

of areas that are a prerogative of the department of Weights and Measures as opposed to those that SWASA should look after.

7.12



**Tanzania**

During the period under review a number of bilateral and Inter Laboratory comparisons (ILC) are still ongoing between Tanzania Bureau of Standards (TBS) Metrology laboratory and Southern African Development Community Cooperation in Measurement traceability (SADC MET).

Moreover there has been a small volume intercomparison activity undergoing within the East African Community (EAC) partner states supervised by Physikalisch- Technische Bundesantalt (PTB) where TBS metrology laboratory participated and involved as pilot laboratory

7.13




**Zambia**

Zambia became an associate member of the International Bureau of weights and Measures (BIPM) in 2010. During the year 2011, ZABS maintained its associate Membership of the BIPM. ZABS attended the BIPM Directors meeting held on 25<sup>th</sup> May 2011 in Paris. The meeting was attended by the Director and the Metrology Manager. At the meeting, the program of work of the BIPM for four years (2013 -2016) was approved. At the same meeting the International Committee of weights and Measures Mutual Recognition Arrangement (CIPM-MRA) document was updated.

7.14



**Zimbabwe**

	<p>SIRDC-NMI achieved yet another milestone through the accreditation of its Mass Laboratory and the imminent accreditation of the Volume, Temperature and Dimensional Laboratories. Special thanks go to our cooperating partners such as PTB, EU and UNIDO who through various efforts, continue to support solid quality infrastructure development in Zimbabwe and the SADC region. Back home, we would not forget the support from the Ministry of Industry and Commerce through the Standards Development Fund who are continuously reviewing upwards, the allocation of funds to SIRDC-NMI for standards development.</p> <p><b>All country reports are available on request</b></p>	
<p>8.</p> <p>8.1</p>	<p><b>Statements by Associate Members Present:</b></p>  <p><b>Kenya Bureau of Standards (KEBS)</b></p> <p>The Government of Kenya continues to streamline the legal framework governing KEBS and other Government agencies contributing to the national quality infrastructure. This initiative aims to delineate and enhance their complimentary roles. One of these agencies is the Weights and Measures department, which handles most of the regulated metrology nationally.</p> <p>KEBS maintains several memberships to various apex international bodies. The following are those associated with the metrology programme:</p> <p><b>BIPM</b> Kenya is now a Member State of the BIPM (International Bureau of Weights and Measures) on acceding to the metre convention from 1<sup>st</sup> January 2010.</p> <p><b>IMEKO</b> KEBS is a member of the International Measurement Confederation (IMEKO).</p> <p><b>AFRIMETS</b> KEBS is a founder member of the Intra-Africa Metrology System (AFRIMETS) the regional metrology organization (RMO) for Africa.</p> <p><b>SADCMET</b> KEBS is an active Associate Member of SADCMET and chairs three working groups namely: <i>Mass, Electricity and Magnetism</i>, and <i>Time and Frequency</i> of the technical committee on JCRB matters (TC1).</p> <p><b>EAMET</b></p>	<p>KEBS</p>

8.2	<p>KEBS is actively involved in the East African Community's (EAC) initiative on a quality infrastructure (SQMT), in particular, the Metrology programme (EAMET).</p> <p><b>APMP</b> KEBS is an Associate Member of APMP from November 2010.</p> <p><b>SIM</b> KEBS has links to the Inter-American Metrology System (SIM).</p> <p>While a commendable job has been done to maintain the measurement standards set up within the laboratories, it has become increasingly expensive as they age. On this basis and also in order to meet the increasingly sophisticated demands of industry, Metrology with the support of the Government has embarked on an ambitious replacement and upgrading programme of its measurement standards and facilities. This is being implemented concurrently with personnel training to support the planned enhanced capabilities.</p> <p>This programme is now even more urgent as we develop strategies and plans to service the needs of a middle income economy as envisaged in the Government's <b>Vision 2030</b></p>  <p><b>Uganda National Bureau of Standards</b></p> <p><b>Still waiting for the report from the representative Mr Paul Musimani</b></p>	UNBS
9. 9.1	<p><b>Project Work:</b></p> <p><b>Tripartite Arrangement and Work programme</b> Tripartite Task Force is requested to ensure that COMESA aligns its Industrial/Scientific Metrology and Legal Metrology Structures with AFRIMETS Structures in order to participate as full Sub-Regional Metrology Organization (SRMO) and Sub-Regional Legal Metrology Organization (SRLMO)</p> <p>Tripartite Task Force is requested to coordinate the establishment of Industrial/Scientific Metrology and Legal Metrology Coordinating Committees by requesting each REC to nominate official representative as per proposed Cooperation/working model and to facilitate the first meeting</p>	Mr Ngonne

	<p>Tripartite Task Force is requested to impress upon the Tripartite Member States the importance of funding and supporting the activities in the Industrial/Scientific Metrology and Legal Metrology Work Programmes</p> <p>The RECs are requested to give their full support to activities of the Industrial/Scientific Metrology and Legal Metrology Work Programmes at the regional level.</p>	
9.2	<p><b>SADC EU EDF 10:</b></p> <p>The SADC Secretariat reported that there is no funding for metrology activities under the SADC EU EDF 10 but member states can access funding through bilateral programmes with the EU</p>	SADC Secretariat
9.3	<p><b>PTB Project 2012/2013</b></p> <ul style="list-style-type: none"> <li>• PTB supported the SADC Water Evaluation Workshop held in Mauritius in November 2011</li> <li>• Supported the participation of Mr M Ranganai and Mr D Mwakangale in Test and Measurement Conference in South Africa in November 2010</li> <li>• Participation to AFRIMET GA to be held in Kenya in July 2011</li> </ul>	Kathrin Wunderlich
9.4	<p><b>World Metrology Day (WMD) Poster</b></p> <p>Mr Martin Kaiser informed the meeting that this year's theme is "<b>Measurements for Safety</b>". He further informed the meeting that the theme Safety was considered to be closely related to Legal Metrology, thus OIML took the lead. The WMD poster has been designed and is available on the world metrology day website. PTB will fund the printing and distribution of the WMD poster for AFRIMETS and SADC MET members</p>	Martin Kaiser
9.5	<p><b>Recommendation by PMC</b></p> <p>PMC proposed to hold a workshop to revise SADC MET procedures and terms of reference of its technical committees to be aligned with those of AFRIMETS as some of the SADC METS activities have been over taken at AFRIMETS level. The workshop will also discuss the training needs under the tripartite programme and also draft the SADC MET business plan and strategy for the next 5 years.</p> <p>The RC reminded the members that the term of NMISA hosting SADC MET Secretariat is coming to an end in 2014; he therefore encouraged the members to start lobbying with their government to host the Secretariat.</p> <p>The meeting requested the RC to send them the requirement to host, e.g costs etc etc</p>	PMC

9.6	<p><b>Work programme for 2012/2013</b></p> <p>Participation at the AFRIMETS GA and WG meetings to take place in Cotonou, Benin – Sept 2012</p> <p>Participation at the NLATest and Measurement Conference in Durban, South Africa – Sept 2012</p> <p>World Metrology Day 2012 – To adopt the BIPM theme and distribute the posters (Measurement for Safety) – April 2012</p> <p>SADCMET Water PT – 5<sup>th</sup> round Microbiology and 9<sup>th</sup> round Chemical Evaluation Workshops to be held in Addis Ababa. Ethiopia – November 2012</p> <p>Participation in the Tripartite Arrangement:</p> <ul style="list-style-type: none"> <li>• Circulate needs assessment survey report for update by members and submit to Tripartite task team-June 2012</li> <li>• Arrange and coordinate COMESA, EAC and SADC metrology Training Programme- October 2012</li> </ul> <p>Continuation of existing SADCMET Inter-comparisons and participation in the AFRIMETS key and supplementary comparisons - Ongoing</p> <p>Participation at the other RMOs General Assembly meetings (EURAMET, APMP, SIM) respectively- On appropriate dates subject to budgets</p> <p>Organize a PMC workshop to revise the Codes of procedures for all SADCMET Technical Committee in the light of the re-organization of these activities at the AFRIMETS level – <b>March 2013</b></p> <p>Participation at the JCRB meetings in Sept 2012 and March 2013 respectively</p>	
10	<p>Resolution:</p> <p>Attached as Annex 1</p>	
11	<p><b>Any other business</b></p> <p>.None</p>	
12	<p><b>Closing</b></p> <p>There being no further issues to be discussed; the Chairman thanked the members for their active contributions and closed the meeting at 16.00.</p>	All