

## SADCMET REGIONAL ACTIVITIES

Following is a summary of pertinent information regarding SADCMET as reflected in the SADCMET RMO report submitted to the JCRB in May 2004.

### 1. RMO contact details

FUNCTION	NAME	DETAILS
Chairperson	Mr Herbert Mwiinga	c/o Zambia Bureau of Standards Box 50259 Lusaka Zambia Tel +260-1 238483 Fax +260-1 238483 e-mail: <a href="mailto:zabs@zamnet.zm">zabs@zamnet.zm</a>
Secretariat (headed by the Regional Coordinator)	Dr Mukayi T. Musarurwa	c/o CSIR – NML P O Box 395 0001 Pretoria South Africa Tel +27 12 841-3898 Fax +27 12 841-2131 e-mail: <a href="mailto:mmusarurwa@csir.co.za">mmusarurwa@csir.co.za</a> <a href="mailto:fhengstb@csir.co.za">fhengstb@csir.co.za</a>
JCRB Representatives for May 2004 JCRB meeting	R. C.	Dr Mukayi T. Musarurwa

### 2. Working Group Chairs

In SADCMET the Terms of Reference of Technical Committee 1 (TC-1) are defined as:

*“Address all issues and deal with all actions arising from SADCMET’s membership of the Joint Committee of Regional Metrology Organisations and the BIPM (JCRB).”*

SADCMET TC-1 presently has eleven working groups, which mirror all the CIPM Consultative Committees except for the CCU, which has no SADCMET mirror Working Group. Further Working Groups are the ones on NMI quality systems and on a regional CMC database.

The CSIR-NML currently holds six of the eleven working group chairs of which WG-AUV is one.

### 3. RMO membership update

Member Organization	Country	Membership Status	MRA signatory	CGPM Associate	MRA participant
IANORQ	Angola	Member			
BOBS	Botswana	Member			x
OCC	DRC	Member			x
NIS	Egypt	Associate Member	x		x
QSAE	Ethiopia	Associate Member			x
KEBS	Kenya	Associate	x	x	x

Member Organization	Country	Membership Status	MRA signatory	CGPM Associate	MRA participant
		Member			
MITM	Lesotho	Member			
MBS	Malawi	Member			x
MSB	Mauritius	Member			x
INNOQ	Mozambique	Member			x
MTI	Namibia	Member			x
SON	Nigeria	Applicant			
CSIR-NML	South Africa	Member	x		x
MEE	Swaziland	Member			x
TBS	Tanzania	Member			x
UNBS	Uganda	Associate Member			x
ZABS	Zambia	Member			x
SIRDC-NMI	Zimbabwe	Member			x

#### 4. Quality system status and review

Member Organization	Country	Membership Status	Accreditation / Certification	RMO review
IANORQ	Angola	Member		
BOBS	Botswana	Member		
OCC	DRC	Member		
NIS	Egypt	Associate Member		
QSAE	Ethiopia	Associate Member		
KEBS	Kenya	Associate Member	ISO 17025	
MITM	Lesotho	Member		
MBS	Malawi	Member		
MSB	Mauritius	Member		
INNOQ	Mozambique	Member		
MTI	Namibia	Member		
SON	Nigeria	Applicant		
CSIR-NML	South Africa	Member	ISO 17025	1999, 2002 <sup>2</sup>
MEE	Swaziland	Member		

Member Organization	Country	Membership Status	Accreditation / Certification	RMO review
TBS	Tanzania	Member		
UNBS	Uganda	Associate Member		
ZABS	Zambia	Member		
SIRDC-NMI	Zimbabwe	Member		

\* International peer review of chemical metrology facilities took place in November 2002. A draft code of procedure for RMO quality system review has been drafted and circulated for comment within SADC MET.

## 5. GENERAL PROGRESS

### 5.1 SADC MET WORKSHOP ON WATER TESTING PROFICIENCY SCHEME

During February 2004 the SADC MET secretariat, with the assistance and support of PTB organized a workshop on Water testing proficiency scheme for laboratories in the region, as a first step towards the establishment and implementation of the actual scheme.

The Workshop was attended by 40 delegates from member states, and two experts from Germany. Delegates proposed a model water testing PT scheme to initially focus on several parameters for Ground/drinking water, to be expanded at a later date to encompass waste water as well as microbiological aspects. Umgeni Water of Pietermaritzburg (South Africa) was chosen as the PT provider. The pilot PT scheme is scheduled to kick off at the beginning of August 2004, with seed funding from PTB and a nominal contribution of US\$ 100/round from each participating lab.

A SADC MET CD ROM with all the presented papers is available from the secretariat and the presentations can also be downloaded from the [SADC MET website](#).

### 5.2 TRAINING COURSES

The following training courses were held over the review period:

- a) Mass/Volume: The course was attended by staff from Angola, Mozambique, Ethiopia, Lesotho, Swaziland and DRC. The training was held from 24 September to 3 October 2003 and focused on the following; mass calibrations (weights and balances); volumetric calibrations (volumetric and gravimetric); calculation of air density and buoyancy correction; unpacking and installing of equipment; pre-calibration procedures; and establishing the accuracy and sensitivity of equipment.
- b) Temperature: The course was held from 14 to 25 July 2003, with participants from member countries. The practical training was based on the equipment contained in the UNIDO funded mobile metrology lab and focused on liquid-in-glass thermometry; resistance thermometry; thermocouple thermometry, and temperature installations.
- c) Dimensional metrology: The course was held in the period 24 September to 3 July 2003, and covered the following aspects: calibration of dimensional measuring equipment, micrometers, vernier calipers, steel rules, electronic indicators etc).

### 5.3 AFRICA HOSTS INTERNATIONAL EXPERTS

The [Consultative Committee for Mass \(CCM- Force\)](#), held its Force working group meeting at the National Metrology Laboratory of the CSIR during March 2004.

The meeting was attended by internationally recognised experts in the field of mechanical metrology from Asia, Australia, Africa, Europe and the Americas. Chaired by Prof. Manfred Peters of PTB, the meeting focused on activities related to the comparisons of force standards, harmonisation of international traceability and measurement.

#### **5.4 SQAM AWARENESS SEMINAR IN LESOTHO**

Preparations had been concluded for holding the meeting in Lesotho in November 2003, when the event was cancelled by the hosts at the last minute. Efforts are underway to schedule new dates and speakers.

#### **5.5 SADC MET DELEGATE ATTENDS ARSO GENERAL ASSEMBLY**

The Regional Coordinator attended the 12<sup>th</sup> General Assembly of African Regional Organisation for Standardisation (ARSO), held from 5-6 February 2004 in Addis Ababa, Ethiopia. The GA was preceded by a Symposium on Standards and Market Access. The GA resolved that a new vision and role for ARSO needs to be defined so as to support and be in line with the African Union's NEPAD programme. SADC MET commented that ARSO's role should be more to coordinate sub-regional efforts encompassing southern Africa, west Africa and east Africa.

#### **5.6 Mass Intercomparison:**

The current round is scheduled to be completed by mid this year, and it is proposed that a Workshop be held for presentation and analysis of the results. TC 1 activity.