



EAST AFRICAN COMMUNITY SECRETARIAT

**14TH MEETING OF THE EAST AFRICAN
METROLOGY TECHNICAL SUB-COMMITTEE**

10th to 12th May, 2010

SNOW CREST HOTEL

ARUSHA, TANZANIA

REPORT OF THE MEETING

Ref No. EAC/TF/ /2010

EAC SECRETARIAT
Arusha, Tanzania
MAY 2010

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14TH MEETING OF THE EAST AFRICAN METROLOGY TECHNICAL SUB-COMMITTEE (EAMET)

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REPORT OF THE MEETING

1.0 OPENING OF THE MEETING

1.1 Introduction

The meeting was held in accordance with the calendar of EAC activities for the period May 2009 to April 2010. It was attended by delegates from all the five partner states, namely: Burundi, Kenya, Rwanda, Uganda and Tanzania. A list of delegates is hereto attached as **Annex I**.

1.2 Constitution of the Bureau

The meeting was chaired by Mr. Ingram Kisamo from Tanzania and the rapporteur was Mr. John-Paul Musimami from Uganda in accordance with EAC procedures.

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1.3 Adoption of the Agenda

The agenda was adopted with modifications and is hereto attached as **Annex II**.

2.0 CONSIDERATION OF MATTERS ARISING FROM THE FOLLOWING MEETINGS:

- **THE 13TH MEETING EASC SUB-COMMITTEE ON METROLOGY MEETING HELD 4TH – 5TH MAY 2009;**
- **MEETING OF LEGAL & METROLOGY EXPERTS HELD 23rd – 25th NOVEMBER 2009 IN ARUSHA ON THE DRAFT METROLOGY BILL AND;**
- **HARMONISATION OF EAC METROLOGY REGULATIONS MEETING HELD 1ST – 5TH MARCH 2010 IN KIGALI.**

2.1 THE 13TH MEETING EASC SUB-COMMITTEE ON METROLOGY MEETING HELD 4TH – 5TH MAY 2009

2.1.1 Follow up on existing measurement capabilities

It was agreed that there is need for a common format to use in reporting the calibration measurement capabilities for each partner state. The TC 1 chair is requested to prepare and send a draft to PTB and thereafter circulate it to partner states by 1st June and the completed forms submitted to TC1 chair by 30th June 2010. The format should take into consideration the Legal Metrology aspect and comments by PTB.

Members were urged to update the databases for calibration and legal metrology services on the EAC metrology web page (www.eac-quality.net).

2.1.2 Consultancy regarding ISO 17025 (Accreditation of various laboratories)

- I. Tanzania reported that PTB equipped TBS with voltage divider and two pieces of data loggers and will assist in capacity building to the metrology staff.
- II. Kenya reported that DKD carried out assessment of the force laboratory and accreditation was granted.
- III. Rwanda reported that documentation for the temperature and Mass laboratories is being finalized. PTB sent a consultant to

assess the status of the laboratories and he made recommendations that are being implemented.

- IV. Uganda submitted the application for accreditation, document review was done and the onsite assessment was done on 4th – 5th May 2010. The Mass laboratory has been recommended for accreditation.
- V. Burundi reported that they received some equipment in the area of mass, volume and temperature. Some staff received training in ISO 17025 and PTB promised to continue to support the training in some other areas of metrology. A building for metrology has been renovated.

2.1.3 EAC Web Portal

PTB invited partner states to nominate people to be trained as content managers. They were trained in updating the web portal in the various aspects of the SQMT.

Recommendations

The meeting noted that monitoring of the posting of information needs improvement. It was recommended that:

A member's page for metrology be developed to enable the exchange of restricted information. Rwanda was requested to take up this task in liaison with the overall EAC web portal manager.

2.1.4 Centre of excellence for metrology Education

The EAC secretariat informed the meeting that the criteria had been developed and institutions will apply for consideration. The College of Business Education should approach the EAC secretariat (Principal education officer) for guidance on application.

2.2 Draft EAC Metrology Bill

The Sectoral council on Trade, Finance and Investment in its session of 2nd July 2009 directed the EAC secretariat to convene a meeting of metrology experts to develop a regional metrology bill. Experts from the partner states developed the Bill in November 2009 as directed. The draft bill was presented to the 14th EAMET meeting. The draft Metrology bill is attached hereto as **Annex III**.

Recommendation

The sub committee recommends that the draft bill be considered for further action.

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2.3 Prepackage Control Regulation

A metrology experts meeting on harmonization of EAC metrology regulations took place from 1st to 5th March 2010 in Kigali, Rwanda. The experts were able to deliberate on only the prepackage control regulations because of the magnitude of the work involved. The regulations are hereby attached as **Annex IV**.

Recommendations:

- a) **The Partner States to pool resources with the development partners in drafting of the remaining regulations within a reasonable time frame.**
- b) **The remaining regulations, as detailed in Annex V, are vital in the realization of the common market within the EAC expected to come into force in July 2010. It is therefore imperative that the harmonization process should be expedited.**
- c) **The EASC to consider the draft prepackage control regulations as EAC metrology regulations.**

3 EAMET Work plan

3.1 Review of EAMET Work plan and Calendar

3.1.1 Temperature inter-comparison in PRT

The evaluation workshop took place in Dar es Salaam between 8th to 10th July 2009.

3.1.2 Other inter-comparisons

- (a) The planned bilateral key comparison in Force measurements between KEBS and NMISA to support KEBS' CMCs has not been done yet. It is planned for November 2010.
- (b) Inter comparison in small volumes
It is still at the commenting level before sending it to PTB for the release of the artifact. Draft zero has already been circulated among the partner states.

Recommendation

The committee recommends that a workshop be held to finalise the protocol as it has been the case in previous inter comparisons.

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- (c) Pressure inter comparison
Commenting on the draft zero by the partner states was completed and members were nominated for a workshop in Addis to discuss the results in July 2010.
- (d) EAMET Mass inter comparison
This activity did not take place so that inter comparison could be done in other fields due to limited resources.
- (e) EAMET temperature inter comparison
The EAMET thermocouple inter comparison is ongoing.
- (f) AFRIMETS temperature inter comparison
The AFRIMETS inter comparison in PRT started in January 2009 and is still ongoing.

3.1.3 ISO 17025 Assessor Training

Module 1 was done in Nairobi and the second module will take place from 1st – 3rd June 2010 in Dar es Salaam. There was an intermediate training from 20th – 23rd April 2010 in Nairobi.

Recommendation

The meeting recommends that the trained metrology assessors be attached to Auditors during laboratory audit and assessment activities carried out within the region. PTB and Partner states are requested to support this activity.

3.1.4 ISO 17020 Training of Legal Metrology staff

This activity did not take place as planned, however, PTB promised to support individual partner states to do the training so as to have a good number of participants from each partner state. Kenya, Tanzania and Uganda will conduct the training in June 2010.

3.1.5 Harmonization of the regulations

The process of harmonizing the metrology regulations started in March 2010 in Kigali. Regulations on prepackaged goods were developed and others are due for discussion in this calendar year.

3.1.6 Regional Metrology Conference

The regional metrology conference as earlier planned to be held in Addis Ababa did not materialize because the host country joined a new sub regional metrology organization NEWMET. Kenya offered to host it in November/December 2010. The meeting accepted the offer and requests



PTB/EAC and the Partner states to support this activity. Kenya was requested to circulate a concept note to this effect.

3.2 EAMET work plan 2010/2011

The meeting discussed and agreed on a revised EAMET's calendar of activities. The same is attached hereto as **Annex VI**.

4.0. AFRIMETS and other International bodies

The third AFRIMETS general assembly took place between 12th to 15th July 2009 in South Africa. Kenya was requested to represent EAMET in the AFRIMETS on Legal Metrology issues. AFRIMETS is now composed of six sub regional metrology organizations. The new entrant is NEWMET composed of North, East and Western countries namely Egypt, Ethiopia, Ghana, Libya, Nigeria and Sudan. LNE, France, NIRPS of Nigeria and PTB are associate members. EURAMET, CAFMET, TEAC, SSDL, MADA and Arab federation for Metrology are observers.

Tanzania Bureau of Standards is processing to be an associate member of CGPM whereas Kenya became a full Member State of the BIPM (Metre Convention) with effect from 1st January 2010. The TC 1 chair was requested to follow up on the promised sponsorship by UNIDO for entry of Rwanda and Uganda partner states to CGPM as associate members.

The 44th CIML meetings took place in Mombasa in October 2009 though only two Partner states namely Kenya and Tanzania participated. The other members were not officially invited by the host country. Among the issues that were discussed was that of exports from developing countries having to comply with multiplicity of international requirements. It was resolved that CIML members bring this to the attention of their national WTO-TBT enquiry points. Currently OIML is carrying out country needs assessment and partner states were urged to seize this opportunity and invite the OIML personnel to do it for them. A water manometer was donated to the Weights and Measures Agency Tanzania.

5.0 World Metrology Day

The meeting noted that the World Metrology Day will be celebrated worldwide on 20th May, 2010. The meeting agreed that each member state decide individually on how to celebrate the event.

This year's theme for the day shall be **MEASUREMENTS IN SCIENCE AND TECHNOLOGY ...a bridge to innovation.**



6.0 Any Other Business

6.1 AFRIMETS Summer School

A Pan-African Metrology training school is scheduled to take place in February 2011 in Nairobi under the auspices of AFRIMETS and sponsored by UNIDO. It aims at mentoring young metrologists in all the fields of Metrology.

6.2 Amount of substance/Chemical Metrology

The East African Standards Committee approved the formation of the working group on chemical metrology during its 13th meeting. In EAMET report presented in the 12th meeting, the proposed structure had a working group on chemical metrology created under the TC 1 (deals with MRA and BIPM issues). This was done so as to mirror the structures of AFRIMETS and BIPM for purposes of CIPM MRA and CMCs recognition.

Recommendations

- a) The meeting recommends that the Testing Subcommittee liaises with the EAMET in this field.**
- b) Have an intra Subcommittee meeting between all the SQMT structures to discuss the cross cutting issues.**

7.0 Date of Next Meeting

The sub-committee agreed to hold its regular meetings in accordance with the EAC calendar.



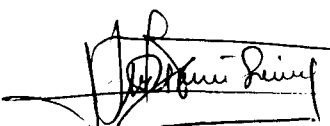
Signed on this 12th day of May 2010 by respective Heads of Delegation as below:

Mr Ingram Kisamo
Principal Metrologist
Tanzania Bureau of Standards
The United Republic of Tanzania



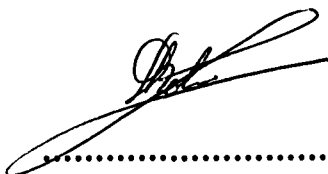
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Mr. Simeon Misigaro
Deputy Head Metrology Division
Burundi Bureau of Standards (BBN)
Republic of Burundi



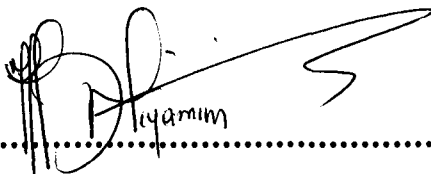
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Mr Dennis Moturi
Chief Manager Metrology
Kenya Bureau of Standards
Republic of Kenya



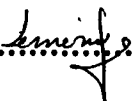
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ANNEX II

EAST AFRICAN COMMUNITY SECRETARIAT

14TH MEETING OF THE EAST AFRICAN STANDARDS COMMITTEE TECHNICAL SUB-COMMITTEE ON METROLOGY

10th to 12th May 2010

SNOW CREST HOTEL, ARUSHA, TANZANIA

AGENDA

1. Opening of the meeting
2. Consideration of matters arising from the report of the 13th EASC Sub-Committee on Metrology meeting & meeting of Legal Metrology Experts held in Arusha and Kigali in 2009 on draft Metrology bill and regulations
3. EAMET Work plan
 - 3.1. Review of EAMET work plan 2009/2010
 - 3.2. Drafting of EAMET work plan 2010/2011
4. Consideration of reports from EAC contact person(s) on matters from AFRIMET and other International bodies
5. Consideration of the Regional activities to celebrate World Metrology Day
6. Any other business

ANNEX V

ALLOCATION OF ZERO DRAFTS TO THE EAC PARTNER STATES

S/N	Regulation details	Country
1	<ul style="list-style-type: none"> i. General Regulations governing mechanical and electronic measuring instruments ii. Measuring instruments (dispensing pumps, automatic fillers, level gauges, bulk meters, area measuring instruments) iii. Surveying instruments 	Kenya
2	<ul style="list-style-type: none"> i. Non- Automatic weighing Instruments (cattle weighers) ii. Automatic Weighing Instruments (belt weighers, automatic packers, average weighers, automatic catch weighers) iii. Bulk storage tanks, mounted bulk measures(Road and Rail Tankers), dry measures, oil measures, milk measures 	Tanzania
3	<ul style="list-style-type: none"> i. Weights ii. Utility meters (water meters, Electricity meters, Taxi meters, Airtime meters) iii. Moisture meters 	Uganda
4	<ul style="list-style-type: none"> i. Pressure gauges (tyre) ii. Pressure gauges (blood) iii. Pressure gauges (industrial) 	Rwanda
5	<ul style="list-style-type: none"> i. Measures of length 	Burundi

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MONTH	DATES	DAY	ACTIVITY	ID	LOCATION	REMARKS
	30 th	Fri	Submit proposed zero drafts of regulations identified in Kigali as (i).			
AUGUST						
	23 rd – 27 th	Mon - Fri	Second Workshop to deliberate on the harmonisation of draft regulations.		Bujumbura	EAC/PTB/Partner States
SEPTEMBER	21 st – 24 th	Tue - Fri	AFRIMETS General Assembly 45 th CIML meeting Small Volume inter-comparison – protocol workshop		Egypt Orlando (USA) Dar es Salaam	EAC/PTB/Partner States
OCTOBER			Submit proposed zero drafts of regulations identified in Kigali as (ii). Mentorship program I for 17025 assessors			Host country to confirm
NOVEMBER			Third Workshop to deliberate on the harmonisation of draft regulations. Force inter-comparison KEBS – NMISA		Nairobi Nairobi and Pretoria	EAC/PTB/Partner States
	24 th – 26 th		ISO 17025 assessor training - three		Mombasa	EAC/PTB/Partner States
	29 th Nov – 1 st Dec		Regional Metrology Conference (RMC, 2010)		Mombasa	EAC/PTB/Partner States
DECEMBER						
			EAMET Dimension inter comparison			PTB/EAC/Partner States

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MONTH	DATES	DAY	ACTIVITY	ID	LOCATION	REMARKS
JANUARY			Submit proposed zero drafts of regulations identified in Kigali as (iii).			
FEBRUARY	7 th - 18 th	2 Weeks	EAMET Mass inter comparison Pan African Metrology training School (Summer school)		Nairobi	Partner states AFRIMETS/UNIDO
MARCH			Third Workshop to deliberate on the harmonisation of draft regulations Mentorship program II for ISO 17025 assessors		Kampala Nairobi-Dar- Kampala	EAC/PTB/Partner States Host country to confirm
APRIL			EAMET Meeting		Arusha	

NB: EAC refers to EAC Secretariat

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