



**AFRIMETS**  
Intra-Africa Metrology System  
Système Intra-Africain de Métrologie



# EAMET REPORT

**PRESENTED BY:**

**MR. PHILIBERT ZIMULINDA**

**VIRTUAL MEETING**

**17TH AFRIMETS GA**

**29 JULY TO 02 AUGUST 2024**

**ARGYLE AIRPORT HOTEL**

**NAIROBI, KENYA**



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# PRESENTATION OVERVIEW

- A) INTRODUCTION
- B) EAMET MEMBERS
- C) MEMBERSHIP IN INTERNATIONAL METROLOGY ORGANIZATION
- D) 2023-2024 ACTIVITIES AND ACHIEVEMENTS
- E) FUTURE PLANS

# INTRODUCTION

➤ EAMET is the EASC Subcommittee responsible for ensuring accuracy of measurements in the community, recognition of measurements standards and certificates from the community by other trading partners, ensuring measurements in the community are equivalent to those of the other trading partners, representing the community on measurement matters at regional and international fora, regulating measurement related issues in the community.

# EAST AFRICAN COMMUNITY

-  Republic of Burundi
-  Democratic Republic of the Congo
-  Republic of Kenya
-  Republic of Rwanda
-  Federal Republic of Somalia
-  Republic of South Sudan
-  United Republic of Tanzania
-  Republic of Uganda



## The East African Community

*now has 8 Partner States and  
spans from the Indian Ocean to  
the Atlantic Ocean*

# MEMBERSHIP IN INTERNATIONAL METROLOGY ORGANIZAITION

PARTNER STATE/MEMBERS	REGIONAL AND INTERNATIONAL ORGANIZATION			
	BIPM	OIML	AFRIMETs	IMEKO
BURUNDI(BBN)	-	Corresponding Member	Member	-
DEMOCRATIC REPUBLIC OF CONGO	-	-Member	Member	-
KENYA(KEBS)	Member	Member	Member	Member
RWANDA(RSB)	-	Corresponding Member	Member	Member
FEDERAL REPUBLIC OF SOMALIA	-	-	-	-
SOUTH SUDAN(SSBS)	-	-	-	-
TANZANIA(TBS)	Member	Corresponding Member	Member	Member
UGANDA(UNBS)	-	Corresponding Member	Member	Member

# 2023-2024 ACTIVITIES AND ACHIEVEMENTS

## A. MEETINGS AND WORKSHOP

➤ **27th MEETING OF THE EAST AFRICAN TECHNICAL SUB-COMMITTEE ON METROLOGY (EAMET) 18TH TO 19TH APRIL 2024 KAMPALA, UGANDA**

➤ **REGIONAL WORKSHOP OF LEGAL METROLOGY EXPERT ON ROAD TANKER CALIBRATION/VERIFICATION PROCEDURES AND REGULATIONS, 15TH – 17TH APRIL 2024,**

## AGENDA

1. Issues arising from the report of the 26<sup>th</sup> meeting.
2. Country reports;
3. National and community measurement issues for the attention of the subcommittee
4. Reports from EAMET contact person(s) on matters from AFRIMETS, other Regional and International Bodies and partnerships.
5. Reports from EAMET Technical Committees and Working Groups.
6. Presentation from development partners
7. Review of EAMET work plan implementation and development new work program for the next period.

# CURRENT ACCREDITATION AND INTERNATIONAL RECOGNITION

PARTNER STATE/MEMBERS	ACCREDITED SCOPE	ACCREDIATION BODY	RECOGNIZED CMCs by BIPM
BURUNDI(BBN)	None	None	None
DEMOCRATIC REPUBLIC OF CONGO	?	?	?
KENYA(KEBS)	<ul style="list-style-type: none"> <li>✓ MASS</li> <li>✓ PRESSURE</li> <li>✓ TEMPERATURE</li> <li>✓ AC/DC</li> <li>✓ Force</li> </ul>	DAkkS	<ul style="list-style-type: none"> <li>➤ mass 0.2 to 0.5 mg</li> <li>➤ Force: tension and compression : 10 kN to 100 Kn</li> <li>➤ DC voltage (up to 1100 V) , DC voltage : 100 V to 1000 V</li> </ul>
RWANDA(RSB)	<ul style="list-style-type: none"> <li>✓ MASS</li> <li>✓ BALANCE</li> <li>✓ TEMPERATURE</li> <li>✓ VOLUME(small volume)</li> <li>✓ Pressure</li> </ul>	DAkkS	
FEDERAL REPUBLIC OF SOMALIA	None	None	None
SOUTH SUDAN(SSBS)	None	None	None
TANZANIA(TBS)	<ul style="list-style-type: none"> <li>✓ MASS</li> <li>✓ PRESSURE</li> <li>✓ TEMPERATURE</li> <li>✓ AC/DC</li> <li>✓ VOLUME(small volume)</li> <li>✓ DIMENSION</li> </ul>	Corresponding Member	Member
UGANDA(UNBS)	?	?	?

# C. MEASUREMENT INTER-COMPARISONS 2023-2024

## PROGRESS ON THE ONGOING EAMET COMPARISONS

Laboratory	Identification of ILC/PT	Field/subfield	Pilot lab or provider of ILC/PT	Participants	Parameters/ range of measurements	Status
Length	EAMET.DIM.S1:2020	Length	TBS	KEBS, TBS, UNBS, RSB	Electronic Digital Indicator (0-50 mm), Dial Gauge (0-5 mm) and External Micrometer (0-25mm)	Measurement completed waiting the report from Pilot
Volume & Flow	EAMET 2019	Volume	TBS	KEBS, TBS, UNBS, RSB	Volumetric flask (100 ml), Bulb Pipette (10 ml), Micropipette (1000 µl)	Measurement completed waiting the report from Pilot
Pressure	EAMET.P.S1:2019	Pressure	KEBS	KEBS, TBS, UNBS, RSB	50MPa Hydraulic Gauge Pressure range	Measurement completed waiting the report from Pilot
Mass		Mass	KEBS	KEBS, TBS, UNBS, RSB	F1 standard masses (20mg, 10g, 100g, 1kg)	Measurement completed waiting the report from Pilot
Temperature	EAC-EAMET-ILC-CDT-01/05.2019	Temperature	RSB	KEBS, TBS, UNBS, RSB, BBN	Contact Digital Thermometer (-20°C to 200°C)	Draft report shared to participants waiting workshop for report review and approval
Force CBR Ring	EAC-EAMET-ILC – FORCE 2024	Compression	KEBS	KEBS, TBS, UNBS, RSB,	CBR ring 60kN	Waiting draft protocol from Pilot

# D. PARTENER STATES WORLD METROLOGY DAY 2024 CELEBRATION

PARTNER STATE/MEMBERS	PARTICIPANTS	AGENDA OF CELEBRATION
BURUNDI		
KENYA		
RWANDA	All sectors( public and private) 1. Health sector 2. Industries 3. Education 4. Energy 5. Tourism and hospitality 6. Transport 7. Environmental monitoring and Climate change	Virtual celebration ✓ National Metrology Division scope of activity presented to participants and its role for building economic Sustainable of Tomorrow and research. ✓ Role of new established calibration center for meteorological, hydrological and air quality monitoring instruments calibration for sustainable climate/ climate change monitoring
SOUTH SUDAN		
TANZANIA		
UDANDA		
SOMALIA		
DRC		

## FUTURE PLANS

- **The training on the OIMLCS System and harmonization of Type Approval processes in the community.**
- **Peer Review of Road Tanker Calibration/Verification and Visits to Partner States**
- **Legal metrology experts meeting for the pre-package control regulations and procedures harmonization.**

*Thank you*

