

## **BIPM Capacity Building & Knowledge Transfer Programme**

### ***AFRIMETS - BIPM*** ***"Sound beginning in the CIPM MRA"*** ***Workshop***

## **PROGRAMME HIGHLIGHTS**

*Date: 18 July, 2018*  
*Venue: ENUGU, Nigeria*

#### **1. Global Quality infrastructure**

- The Importance of a Quality Infrastructure and its Key players
- The Role of Metrology in the QI (BIPM, OIML, ILAC)
- *Case study: QI Practical examples & Roles and responsibilities*

#### **2. Introduction to the Metre Convention, BIPM, AFRIMETS and the CIPM MRA requirements**

- Metre Convention: Interactions with Member States and Associates
- CIPM Requirements and documentation on QS, comparisons and CMCs
- AFRIMETS as an RMO and CIPM MRA related activities
- JCRB: inter-regional CMC review process
- *Case study: Impacts of the CIPM MRA*

#### **3. The BIPM key comparison database**

- Introduction of the KCDB (KCs, SCs, CMCs and statistics)

#### **4. Quality management systems**

- CIPM requirements and documentation on QS
- AFRIMETS approach on QS in Support of CMCs
- ISO/IEC 17025:2017 and the new edition
- *Case study: How to establish a QS acceptable to RMO*

#### **5. Measurement comparisons and Calibration and measurement capabilities (CMCs)**

- CIPM Requirements and documentation on comparisons
- CIPM Requirements and documentation on CMCs
- *Case study: How to participate effectively in comparisons and declare CMCs*