

Report Working Group

Mass and related Quantities and Length

Establishment of Chairs and Vice Chairs

- **Length**
- **Chair** Oelof Kruger (**Vice Chair** will be decided later.)

- **Mass and related Quantities**
- **Chair** Benjamin v/d Merwe / **Vice Chair** David Tonui

- **Working Groups:-**
- **Mass :-** Chair Benjamin vd Merwe / Vice Chair David Tonui
- **Volume:-** Chair Vida Rusimbi / Vice Chair B vd Mewe
- **Pressure:-** Chair Cherie Korasie / Vice Chair Dr. Alaa El Taweel
- **Force :-** Chair Ben Burke / Vice Chair Prof Ali Abu Elezz

- **New to be added**
- **Density:-** **Chair Dr. Alaa El Taweel / Vice Chair Ronel Steyn**
- **Viscosity:-** **Chair Deona Jonker status report back???**

Responsibilities of chair and vice chairs

- **Keep an updated list of address's and emails on the AFRIMETS webpage.**
- Laboratory capabilities.
- CMC's review and submissions.
- Comparisons.
- Awareness of training.
- Feedback at CCM/CCL and relevant WG meetings.

What is the role of the WG

Terms of reference;

- **FirstlyEstablish the correct contact details of the respective laboratories.**
- Laboratory capabilities.
- Awareness of training.
- Comparisons.
- CMC's review.
- Feedback at CCM/CCL and relevant WG meetings.

CMC review and submission through AFRIMETS

- (AFRIMETS will define the 'process' that the CMC's shall follow.)
 - Intra-review
 - Inter-review
 - Submission
- CMC checklist to be drafted based on the EURAMET list.
Example :- NIS

Current activities of working group



- **Length :-**
 - 2 SADC MET comparisons. (Gauge Block and Line scales.)
 - SADC MET training.
- **Mass :-**
 - Bilateral comparison Tunisia/France
 - Bilateral comparison Benin and LNE
- **Volume :-**
 - SADC MET in the process of a Supplementary comparison 1 μ l to 20 l
- **Pressure :-**
 - EAMET ran a comparison.
 - MAGMET ran a supplementary comparison with PTB.
 - Tunisia currently provides training (French).
- **Force :-** Nothing
- **Torque :-** Nothing
- **Hardness :-** Nothing
 - SOAMET Assistance for regional laboratories Mass Volume and Pressure.

AFRIMETS Capabilities

Mass related and Length

- To establish a list of the capabilities and comparisons in AFRIMETS NMIs
- Working Group Chairs to send a questionnaire to all listed sub-RMO chairs/Attendees' and the NMI's to provide the follow information.
 - Contact details
 - Capabilities
 - Accreditation
 - Past comparisons
 - Training requirements

Training Needs

##Tunisia is prepared to help with the training of the French speaking countries.

| | Mass | Pressure | Volume | Force | Torque | Hardness | Uncert |
|---------------|------|----------|--------|-------|--------|----------|--------|
| Kenya | Y | Y | Y | Y | Y | Y | Y |
| Tanzania | Y | Y | Y | Y | Y | N | Y |
| Benin | Y | Y | Y | Y | Y | N | Y |
| Cote d'Ivoire | Y | Y | Y | Y | N | Y | Y |
| ## Tunisia | N | N | N | N | Y | Y | N |
| Egypt | N | N | Y | N | N | N | Y |
| Zambia | Y | Y | Y | Y | N | N | Y |
| RSA | N | N | N | N | N | N | N |
| Nigeria | Y | Y | Y | Y | Y | Y | Y |
| Seychelles | Y | Y | Y | Y | Y | Y | Y |
| Morocco | Y | Y | Y | Y | Y | Y | Y |
| Burkina Faso | Y | Y | Y | N | N | N | Y |
| Ghana | Y | Y | Y | Y | Y | N | Y |

FORCE

- **Comparison**
 - Force supplementary 100 kN and 200 kN comparison participating laboratories:-
 - KEBS, BOBS, NIMSA, NIS, SBS, LCAE/CME, SON, TBS, QSAE.
- **Action tabled for WG Chair:-**
- Draft protocol with transducer dimensions, loading profiles and example excel spread sheet, to be sent via emails to participants listed above.
- Ensure that dates and timelines are met.
- Future planning:-
 - Torque.....!

Length

- Discussed CCL working group structure.
- In which working group will AFRIMETS be active ie (working group CMC's ect)
- Current SADCMET training ending 2010 must establish future training in AFRIMETS.
- CMC review panel will be established once the questionnaire has been returned.
- Draft a 5 year comparison plan. (First establish past comparisons.)
- Input into CCL working group: Strategy from AFRIMETS perspective is imperative for CCL resolutions. ie training in piloting comparisons.

Mass Density Volume

- Discussed CCM working group structure.
- In which working group will AFRIMETS be active ie (working group CMC's mass, density, viscosity and volume/flow.)
- Current SADCMET training ending 2010 must establish future training in AFRIMETS.
- CMC review panel will be establish once the questionnaire has been returned.
- Input into CCM working group:Strategy from AFRIMETS perspective is imperative for CCM resolutions ie training in piloting comparisons.
- At present there is funding for Volume inter-comparison in SADCMET. Is it possible to extend it into an AFRIMETS inter-comparison?

Pressure

- Discussed CCM working group structure.
- In which working group will AFRIMETS be active ie (working group CMC's high and low pressure comparisons.)
- CMC review panel will be establish once the questionnaire has been returned.
- Input into CCM working group strategy from AFRIMETS perspective is imperative for CCM resolutions ie training in piloting comparisons.
- AFRIMETS Level:-
 - EAMET ran a comparison.
 - MAGMET did supplementary comparison with PTB
 - Tunisia currently provides training (French)



Thanks

Ben Burke