



AFRIMETS

Intra-Africa Metrology System
Système Intra-Africain de Métrologie

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AFRIMETS REPORT TO THE JCRB April 2009

1. General Report on Activities October 2009 to current

AFRIMETS was officially accepted as a RMO by the CIPM during October 2008. From October to current, AFRIMETS focused on the consolidation of its technical working group structures and the organising of technical comparisons.

The first official AFRIMETS working group meetings were held in conjunction with the East African Metrology Conference in Mombasa, Kenya, in the first week of December 2008. The AFRIMETS TC WG for mass, electromagnetic (voltage) and metrology in chemistry, met.

The TC QM attracted a lot of attention and representatives from 8 NMIs and approximately 20 observers (from accredited calibration and testing laboratories in East and Southern Africa) attended the first day. On the second day, a closed meeting was held attended by the NMIs and invited accredited and industrial testing laboratories.

The TC Mass meeting were also well attended and was followed by a training session on the estimation of UOM. The TC EM meeting focused on the 10V comparison organised by the National Metrology Institute of South Africa (NMISA).

AFRIMETS is taking on the responsibility to participate in the activities of the JCRB, CIPM, BIPM and RMO activities and presentations were given at the EAMET conference on the advantages of membership to the Metre convention, associate membership of the BIPM and the importance of the CIPM MRA. The CMC preparation and submission process was discussed in detail and issues such as traceability and UOM were debated. Some of the issues will be further discussed and debated at the third AFRIMETS general assembly meeting in South Africa in July 2009.

AFRIMETS has two full members of the BIPM and two associate members of the CGPM.

They provide the link for the region to the international metrology community, with the NMISA playing the leading role as an active participant in the CIPM MRA. Egypt and Kenya are now preparing CMC submissions and are also participating in international meetings and technical activities. Egypt is being assisted by EURAMET that organises comparisons to support NIS CMC claims.

A specific highlight of the period was the publication of two CMCs (in the field of Length) by Egypt. Egypt now joins South Africa as the only countries in the region with CMCs.

SADCMET and specifically the NMISA, assists Kenya. The comparisons that have been initiated in SADCMET the past year have been expanded to AFRIMETS and all member countries are welcome to participate.

Current comparisons include a bilateral comparison between KEBS (Kenya) and NMISA on wheat flour, as a value assignment for an East African proficiency testing scheme, a DC-LF (10V) comparison, a temperature comparison (contact thermometry) and a pressure comparison.

Participation in International Comparisons

AFRIMETS (NMISA) so far participated in 25 comparisons outside Africa in 2008/2009. A list of the comparisons is supplied below. The SADCMET/AFRIMETS comparisons are shown in section 6. Egypt also participates in EURAMET comparisons. A full list will be supplied as an Appendix at the JCRB meeting.

List of International Comparisons for 2008/09

No	International Number	Laboratory	Description
1	CCQM-P73	Gas	Gravimetry: 30 to 70 ppm NO in nitrogen
2	CCQM-K52	Gas	360 ppm CO ₂ in air
3	CCQM-K53	Gas	Gravimetry: 100 ppm O ₂ in N ₂
4	EUROMET 900a	Gas	5 ppm CO in nitrogen
5	CCQM-K51	Gas	5 ppm CO in nitrogen
6	BIPM.QM-K1	Gas	Ambient level ozone
7	CCQM-P90	Organic	CAP in Milk
8	CCQM-K56	Inorganic	Ca, Fe, Zn and Cu in Whole Fat Soybean Powder
9	INCT-OBTL-5 INCT-PVTL-6	Inorganic	Inter-comparison study and certification of new tobacco leaves candidate reference materials
10	CCQM-K67	SAM	Composition of a Fe-Ni binary alloy thin film
11	VAMAS TWA33#1	SAM	Characterisation of nanoparticles by SEM
12	APMP.PR-K4	P&R	Luminous Flux
13	APMP. PR-S1	P&R	Irradiance Responsivity of UVA Detectors
14	CCTF-K001.UTC	T&F	Calculation of the reference time scale (UTC)
15	EUROMET.EM-S20	DC-LF	Inductance measurements of 100 mH at 1 kHz
16	EURAMET project 819	RF	Electric field strength from 1 GHz to 2,5 GHz
17	APMP.T-K7	Temperature	Water triple point cells (0.01 °C)

No	International Number	Laboratory	Description
18	APMP.T-S5	Temperature	Au/Pt thermocouples (0°C to 962°C)
19	APMP.T-K3.1	Temperature	Bilateral between NMISA (pilot) and VMI (Vietnam), standard PRT (-39 °C to 420 °C)
20	CCRI(II)-K2.H-3	Radioactivity Standards	Activity concentration of the same solution of tritiated water
21	CCRI(II)-K2.Lu-177	Radioactivity Standards	Activity concentration of the same Lu-177 solution
22	APMP.M.FF-K4	Volume	20 litre and 100 ml intercomparison
23	CCM.V-K2.1	Viscosity	Capillary viscometers (20 °C, 60 °C and 100 °C)
24	SIM L-K1- 2007	Dimensional	Gauge blocks up to 100 mm, steel and ceramic
25	Euramet Project 866	Dimensional	Linear Displacement transducers up to 10 µm.

2. RMO Contact Details

Function	Name	Details
Chairperson	Dr Wynand Louw (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 841-4227 Fax +27 12 841-3382 Mobile +27 82 807 7441 email: wlow@nmisa.org
Head of the Secretariat	Mr Stuart Carstens (South Africa)	National Regulator for Conformity Assessment Divisional Manager Legal Metrology Department Tel: 012 428 6886 Fax: 012 428 6552 Cell: 083 633 2250 carstesh@sabs.co.za
Regional Coordinator (SADCMET RC, will remain AFRIMETS RC until July 2009)	Mr Donald Masuku (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 841-3898 Fax +27 12 841-3382 Mobile +27 82 904 1846 email: dmasuku@nmisa.org
JCRB Representative	Dr Wynand Louw (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 841-4227 Fax +27 12 841-3382 Mobile +27 82 807 7441 email: wlow@nmisa.org
JCRB delegates	Mr Donald Masuku Dr Ahmed el Sayed Mr Joel Kioko Dr Mohammed Berrada	SADCMET NIS (Egypt) EAMET MAGMET

3. Current TC and Working Group Chairs and Contact Details

Function	Name	Detail
Chairperson TC-1A (Metre Convention and CIPM MRA Issues)	Mr Joel Kioko	Kenya Bureau of Standards P.O. Box 54974 00200 Nairobi Tel: +254 (0) 20605490 Fax: +254 (0) 20 604031 E-mail: JKioko@kebs.org
Vice-Chair	Mr Shadrack Kajane (SADCMET TC-1)	Botswana Bureau of Standards Private Bag BO 0048 Gaborone, Botswana Tel: + 267 3903200 Fax: + 267 3903120 Mobile: 267 72245758 email: s_kajane@bobstandards.bw
SRMO Representative Other Members:	Dr Wynand Louw ZABO Déza Emmanuel (Cote d'Ivoire)	
Chairperson TC-1B OIML Issues	Mr Stuart Carstens	National Regulator for Conformity Assessment Divisional Manager Legal Metrology Department Tel: 012 428 6886 Fax: 012 428 6552 Cell: 083 633 2250 carstesh@sabs.co.za
Vice-Chair	Mr. Salifou ISSOUFOU (SOAMET)	Commission de l'UEMOA Département Développement de l'Entreprise (DDE) Direction de la Normalisation et de la Promotion de la Qualité (DMPQ) Responsable du Secrétariat Ouest Africain de la Métrologie (SOAMET) mob : 00226 78304545
Other Members	COULIBALY Moussa (Cote d'Ivoire)	
Chairperson TC-2A (Scientific Metrology Education)	Dr Mohammed Berrada	DIRECTEUR DU LPEE/LNM Km 7 Route d'el jadida, Casablanca Tél : 212 22 48 87 27 / 28 Fax : 212 22 98 25 72 E-mail : berrada@lpee.ma Web : www.lpee.ma/central/lnm.htm
Vice-Chair	Mr M Rabolinyane (SADCMET TC-2 Chair)	Ministry of Industry Trade & Marketing P O Box 747 Maseru 100, Lesotho Tel: + 266 22 320695317454 Fax: + 266 22 31032 Mobile:266 63034463 email: lessqa@leo.co.ls
Assistant	Mr Donald Masuku (SADCMET Secretariat)	

Function	Name	Detail
Chairperson TC-2B (Legal Metrology Education)	Mr Kimon Zulu	Executive Director Zambia Weights and Measures Agency E-mail: zwema@microlink.zm
Vice-Chair	Mr Viki Kanama (DRC)	Office Congolais de Controle B P 8614 KIN 1 Kinshasa, Democratic Republic of Congo Tel: :+243 815082 006/+ 243 8922727 Fax: Mobile: +243 82 7156681 email: kanama_viki@yahoo.fr
SRMO Representative	Mr Katima Temba (AFRIMETS Secretariat)	
Chairperson TC-3 (Metrology Facilities Infrastructure Development)	Mr Oumarou Yankine	Commission de l'UEMOA Département Développement de l'Entreprise (DDE) Direction de la Normalisation et de la Promotion de la Qualité (DMPQ) E-mail: oyankine@yahoo.fr
Vice-Chair	Mr Viki Kanama (DRC, SADC MET TC-3 Chair)	Office Congolais de Controle B P 8614 KIN 1 Kinshasa, Democratic Republic of Congo Tel: :+243 815082 006/+ 243 8922727 Fax: Mobile: +243 82 7156681 email: kanama_viki@yahoo.fr
SRMO Representative	Dr Wynand Louw	
Chairperson TC-4 (Metrology legislation)	Mr Mourad Ben Hassine	Deputy Director of Legal Metrology Ministry of Commerce and Handicraft 1, Rue Lavoisier 1000, Tunis E-mail: mourad_benhassine@yahoo.fr
Vice-Chair	Mr Eino Mvula (Matchai Blasius) (Namibia, SADC MET TC-4 Chair)	Namibia Standards Institute Windhoek, Namibia (264) 61 38 6410. (264) 61 238 6400 email: emvula@nsi.com.na
SRMO Representative	Mr Ngwessy Malaga	
Chairperson TC-5 (Metrology Awareness)	Mr Geraldino Albasini (Mozambique, also SADC MET TC-5 Chair)	Instituto Nacional de Normalizacao e Qualidade (INNOQ) P O Box 2983 Maputo, Mozambique Tel +258 21 303 822/3 Fax +258 21 304 206 Mobile +258 823 228840 email: innq@emilmoz.com galbasini@mic.gov.mz

TC-1A Working Group Chairs

Function	Name	Details
Chairperson WG – AUV	Mr Ian Veldman (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8414008 Fax +27 12 8412131 Mobile email: csveldman@nmisa.org
Vice-Chair	To be appointed (NIS)	
Chairperson WG – EM	Mr. Alex Matlejoane (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8414343 Fax +27 12 8412131 Email: AMatlejoane@nmisa.org
Vice-Chair	Mr Gibson Aguko (KEBS)	Kenya Bureau of Standards P O Box 54974 Nairobi, Kenya Tel: +254 20 6948274 Fax: +254 20 605673 Mobile:+ email: agukog@kebs.org
Other members	GNAOOU Monkonhon	
Chairperson WG – L	Mr. Oelof Kruger (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8414340 Fax +27 12 8412131 email: OAKruger@nmisa.org
Vice-Chair	Mr Daniel Mutale (Zambia)	Zambia Bureau of Standards P O Box 50259 Lusaka, Zambia Tel +260 1 231385 Fax +260 1 238483 Mobile + email: dmutale@zabs.org.zm
Other Members	-SANOGO Amara -Dr. Mohamed Amer	
Chairperson WG – M	Benjamin van der Merwe (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8413457 Fax +27 12 8412131 email: BvdMerwe@nmisa.org

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Other Members	COULIBALY Moussa	
Chairperson WG – Volume Acting:	Benjamin van der Merwe (Not appointed yet, EAMET, MAGMET and NIS representatives to be added. Contact person in the meantime is Benjamin van der Merwe)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8413457 Fax +27 12 8412131 email: BvdMerwe@nmisa.org
Vice-Chair	Mr Vida.K.Rusimbi (Tanzania)	Tanzania Bureau of Standards(TBS) P O Box 9524 Dar es Salaam, Tanzania +255 (22) 2450 298 +255 713 240 495 email: vhaika@yahoo.com
Chairperson WG - Pressure	Mrs Cherie Korasie	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8414936 Fax +27 12 8412131 e-mail: CKorasie@nmisa.org
Vice-Chair	Mr Joseph James (Tanzania)	Tanzania Bureau of Standards(TBS) P O Box 9524 Dar es Salaam, Tanzania +255 (22) 2450 298 +255 784 806 143 mahillaj@yahoo.co.uk
Other Members	COULIBALY Moussa Dr. Alaa El Taweel	
Chairperson WG – PR	Ms Natasha Nel- Sakharova (South Africa)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8413618 Fax +27 12 8412131 Mobile +27 736726554 email: nnelsakharova@nmisa.org
Vice-Chair: To be appointed		

Function	Name	Details
Chairperson WG – QM Vice-Chair: To be appointed Other Members	Ms Sara Prins (South Africa) KOUASSI Yao Jules	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8414806 Fax +27 12 8412131 Mobile +27 838077418 email: sprins@nmisa.org
Chairperson WG – QS Vice-Chair	Prof Ahmed El Sayed Ms Monica Peart (South Africa)	Head of Office of International Affairs ; Prof. Of Material Metrology and Testing of Materials Technology National Institute for Standards (NIS) Tersa Street, El Haram Giza, Giza 12211 Egypt Office Phone: ++(202) 33860670 Mobile: 0101595842 ; Home Phone: ++ (202) 23581136 Office Fax: ++ (202) 33867451 e-mail: ezba_42@yahoo.com National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 841-3193 Fax +27 12 841-2131 email: mpeart@nmisa.org
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Chairperson WG – TF Vice-Chair	Mr Chris Mathee (South Africa) Mr Ahmed Ibrahim (KEBS)	National Metrology Institute of South Africa, Private Bag X34, Lynnwood Ridge, 0040, South Africa Tel +27 12 8412245 Fax +27 12 8412131 email: CMathee@nmisa.org Kenya Bureau of Standards P O Box 54974 Nairobi, Kenya Tel: +254 20 6948384 Fax: +254 20 605673 email: ahmedi@kebs.org

4. RMO Membership Update

AFRIMETS currently has 5 Sub regional RMOs as Principal members, representing 36 countries in Africa. In addition, 4 countries signed the MOU as individual or “Ordinary” members. The first Associate members are the PTB, LNE and NIRPR (National Institute of Radiation Protection and Research –Nigerian Nuclear Regulation Authority). Observers include EURAMET, The Arab Federation of Metrology (AFM) and the African Committee of Metrology (CAFMET).

The Members of the BIPM and Associates of the CGPM are shown below.

Member	Members of the BIPM	Associates of the CGPM	Participant in MRA
Egypt	X		X
South Africa	X		X
Kenya		X	X*
Tunisia		X	

*In the process of submitting CMCs.

5. Quality System Reviews and CMC Status

South Africa’s NMISA and Egypt’s NIS are the only members with CMC’s in the KCDB. In total, AFRIMETS has 344 CMCs officially accepted in General physics (286), Ionizing Radiation (37) and Chemical metrology (21).

Kenya is currently preparing its first CMC’s for submission to the KCDB.

Until the Quality document of AFRIMETS has been accepted by the JCRB, AFRIMETS is following the SADCMET procedure that requires official accreditation to ISO 17025.

The Quality system of NIS (Egypt) was accepted by EURAMET. AFRIMETS will closely follow the process of the submission of CMCs by Egypt, as a learning exercise for AFRIMETS. The first Quality system that is expected to be submitted to the AFRIMETS TC-QS is that of Kenya (KEBS).

6. List of RMO Key and Supplementary Comparisons

No.	Comparison	Status	No of Participants
1	AFRA IV-12: Research Reactor Programme for Socio-economic Development, Trace elements in nutrition additives, medicinal plants and food materials	Completed	6
2	SADCMET.L-S1 Comparison of gauge blocks 2007 – 2008	SADCMET Workshop in May, distribution to commence after meeting	7
3	SADCMET.L-S2 Comparison of 1 metre steel rule 2007 – 2008	SADCMET Workshop in May, distribution to commence after meeting	7
4	SADCMET. (to be registered) Comparison of PRT calibration capabilities	In progress	6
5	SADCMET.EM-P11 voltage intercomparison at the 10V level	Started in October 2008	4

7. Annual Report on the status of the QS in AFRIMETS

A database of accreditation status and other QS are currently being compiled for all members of AFRIMETS. A summary for the countries participating in the CIPM MRA will be supplied in this report (see example below).

Quality systems in AFRIMETS: Status in March 2009

Member	Institute	Quality System			Pathway	Status
		17025	9001	Other		
Egypt	NIS	√	√	√	c	A
South Africa	NMISA	√	√		a	A
Kenya	KEBS	√	√		a	P

Key:

a – Third party accreditation

b – Certification to ISO 9001 and attestation by technical peers

c – Attestation by a team consisting of quality system experts and technical peers

A – Approved by the RMO

S – Submitted for approval to TC-QS

P – In progress (QS being set up)

The list will be updated with countries becoming members or associates and who signs the CIPM MRA. A secondary list of the QS for all members of AFRIMETS will be available on the AFRIMETS official website.

A short summary of the QS of NMISA is supplied below. The QS of NIS (Egypt) should be reported on by EURAMET. The NIS report will in future be updated in the AFRIMETS report.

NMISA works on the principle of a Total Quality Management System (TQMS), based on ISO 9001 and ISO 17025. Frequent management reviews are conducted and are available to Lead assessors and/or Peer reviewers.

ISO 17025 and the quality documentation of NMISA

NMISA is accredited to ISO 17025 and therefore all elements of ISO 17025 are assessed by SANAS as being effectively implemented within the organisation. The Policy for compliance to ISO 17025, which references all elements of ISO 17025 and the relevant NMISA documents is available on request.

List of CMCs covered by the quality system

According to the rules of SADC MET, NMIs can only submit CMCs covered by official accreditation. All SADC MET CMCs are therefore covered by accreditation. In AFRIMETS, the NMISA anticipates that it will still follow pathway “a” for submission of CMCs, except in exceptional circumstances where it is not possible for SANAS to accredit a specific parameter (for example Surface Analysis, where discussions are on going, but certain practical stumbling blocks exist for SANAS to accredited the NMISA surface analysis laboratory).

RMO review of QS (by APMP)

The NMISA QS was submitted to APMP for review in 2005. As the NMISA is third party accredited, there was no site visit. The NMISA QS was accepted as sufficient by the APMP. When the QS review system is fully in place in AFRIMETS, the process will be confirmed through the AFRIMETS TC-QS. The confirmation will be used as a training session for the AFRIMETS process.

Accreditation Body

The NMISA is accredited by SANAS, a signatory to the ILAC Mutual Recognition Arrangement.

Scope of Accreditation

The scope of accreditation is checked against the CMC claims by the technical assessors (technical assessors are from NMIs from other regions). The scope for the 19 laboratories is too comprehensive to list here and is available on request.

Continued evaluation of CMCs

The NMISA has embarked on a process to evaluate CMC entries against performance in

comparisons and accreditation scope. This will form part of the management review process with a formal report from each laboratory that must be submitted to management by June 2009. The NMISA will officially inform the JCRB and BIPM of any changes to the status of current CMC entries, on a yearly basis.

A summary of the accreditation status of the NMISA laboratories and the technical assessors used for the areas with an activity since September 2008, is shown on the following table.

NMISA Laboratory	Technical expert/s used	Dates assessed	Date accreditation achieved
Mass	<u>Initial assessment:</u> George Chapman – NRC <u>6 month assessment:</u> Christo Reyneke – Private <u>18 month assessment:</u> Christo Reyneke – Private <u>3 year assessment:</u> Noel Bignell – NMI Australia Christo Reyneke – Private <u>18 month surveillance</u> Christo Reyneke – Private <u>6 year assessment</u> Chris Sutton – MSL, New Zealand Christo Reyneke - Private	<u>Initial assessment:</u> 31 March to 2 April 2003 <u>6 month assessment:</u> 6 April 2004 <u>18 month assessment:</u> April 2005 <u>3 year assessment:</u> 13 to 15 November 2006 <u>18 month surveillance</u> 14 May 2008 <u>6 year assessment</u> 25-27 March 2009	November 2003
Pressure	<u>Initial assessment:</u> Noel Bignell (NMI - Australia) Mark Mathiesen – Private <u>6 month assessment:</u> Mark Mathiesen – Private <u>18 month assessment:</u> Noel Bignell – NMI Australia Mark Mathiesen – Private <u>Re-assessment</u> Chris Sutton – MSL, New Zealand Mark Mathiesen – Private	<u>Initial assessment:</u> 23 to 25 August 2004 <u>6 month assessment:</u> 7 November 2005 <u>18 month assessment:</u> 16 to 17 November 2006 <u>Upgrade</u> <i>lab was placed into voluntary suspension to redesign standards and traceability, reinstatement planned for July 2008</i> <u>Re-assessment</u> 23-25 March 2009	May 2005
Inorganic Plasma Spectrometry	<u>Initial assessment:</u> Lindsey Mackay (NMI - Australia) Willie Delpont- Private <u>6 month assessment:</u>	<u>Initial assessment:</u> 28 to 30 June 2004 <u>6 month assessment:</u>	July 2005

NMISA Laboratory	Technical expert/s used	Dates assessed	Date accreditation achieved
	Willie Delpont – Private <u>18 month assessment:</u> Willie Delpont – Private <u>3 year assessment</u> Detlef Schiel PTB (Germany)	8 December 2005 <u>18 month assessment:</u> 12 to 13 December 2006 <u>3 year assessment</u> 17 to 19 September 2008	
Photometry & Radiometry	<u>Initial assessment:</u> Teresa Goodman (NPL) Connie Jonker – Private <u>6 month assessment:</u> Connie Jonker – Private <u>18 month assessment</u> Connie Jonker - Private <u>3 year assessment</u> Theresa Goodman of NPL (UK) Connie Jonker-Private Hem Kandpal - NPL (India)	<u>Initial assessment:</u> 30 August to 1 September 2004 <u>6 month assessment:</u> 30 & 31 January 2006 <u>18 month assessment</u> 27 to 28 February 2007 <u>3 year assessment</u> 1 – 3 October 2008	August 2005
DC Low Frequency	<u>Initial assessment:</u> Barry Wood (NRC) Wey Chua Sze (Singapore) <u>6 month assessment:</u> Val Renegcas – Private <u>18 month assessment:</u> Val Renegcas – Private <u>Re- assessment</u> CHUA Sze Wey - A*STAR, Singapore Val Renegcas - Private	<u>Initial assessment:</u> 12 to 16 July 2004 <u>6 month assessment:</u> 21 November 2005 <u>18 month assessment:</u> 23 to 24 November 2006 <i>voluntary suspension</i> <i>May 2008 due to resources</i> <u>Re- assessment</u> 1 to 3 September 2008	September 2005

The NMISA is on an 18-month assessment cycle, where each lab is assessed at least every 18 months. At least every 3 years the assessment includes an international technical assessor, preferably from another National Metrology Institute (this is not always possible for chemical laboratories).

NMISA Laboratories to still be assessed to ISO 17025 by SANAS

NMISA Laboratory	Technical expert/s to be used	Date to be assessed
Flow	To be decided	To be scheduled (No CMC's submitted)
Surface & Micro-analysis	To be decided	To be scheduled (First to be CMC submitted)

8. Designated Institutes in AFRIMETS

A full list of designated institutes is being compiled for AFRIMETS. South Africa, Egypt and Kenya are the only members currently participating in the CIPM MRA. There are no designated institutes in the three countries participating in the CIPM MRA.

In Nigeria, the NIRPR is a designated institute for Radiation protection. The NIRPR is an Associate member of AFRIMETS.

9. Conclusion

AFRIMETS as an RMO is functioning well and all structures are operational. The next GA meeting will be held in South Africa from 15-17 July 2009 and will be pre-ceded by technical working group meetings (12-14 July). AFRIMETS extends an invitation to all RMOs to send representatives to the meetings. Technical participation in the working group meetings will also be highly appreciated.

For any further information on AFRIMETS or the GA, please contact the secretariat or Wynand Louw at wlouw@nmisa.org.