

# TC REPORT TO GA - NOVEMBER 2015



# SIM Technical Committee

## Changes since last report

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# PROJECTS



- OAS -FEMCIDI(September 2013 to August 2016):  
“Strengthening National Metrology Institutes in the Hemisphere: an essential element in the development of National Quality Infrastructure "that is coordinated by NIST, LATU and CENAM
- PTB project “Support to TC activities”

# TRAINING ACTIVITIES 2015



MWG	Activity
1- Electricity and Magnetism	Workshop on “Intercomparison on Harmonics” to be held in Bento Goncalves before the XI SEMETRO.
3- Temperature and Humidity	Meeting and Training, Córdoba, Argentina October 2015: <ul style="list-style-type: none"> <li>✓ Radiation thermometry</li> <li>✓ Planning new comparisons related to CMC Declaration related to Humidity and Radiation Thermometry.</li> <li>✓ Planning Uncertainty Estimation Workshops</li> </ul>
6- Ionizing Radiation	WG meeting and training, November 2015
7- Mass and related	- Workshop on Hydrometer calibration – February 2015 -Workshop on dissemination. Quito, August 2015

# TRAINING ACTIVITIES 2015



MWG	Activity
8- Chemical Metrology	Meeting and Workshop, Argentina, May 2015.
10- Flow and Volume	Meeting and Workshop, before 9th International Symposium of Fluid Flow Measurement, April 15 – 17, 2015, Arlington, VA.
11- Legal Metrology	-Workshop in “Verification of truck scales and pattern approval per module” - Workshop “Inter Security Software and Hardware” INMETRO, October 2015
13- Statistics and Uncertainty	-Meeting of the MWG. Workshop discussion of proposal of new GUM, February 2015, Costa Rica. -Participation of MWG members in BIPM Workshop to discuss proposal of new GUM, June 2015.

<http://www.sim-metrologia.org.br/spanol/capacitaciones2015.php>

# PROJECTS

- In addition, the US Mission to the OAS is supporting a two year project in SIM with the OAS Department of Sustainable Development (DSD) on the metrology and technology challenges of Renewable Energy and Climate Science in the Americas. **Trainings took place in October at NIST in the following topics:**



- Energy efficiency in buildings.
- GHG measurement

# PROJECTS

- A meeting of the Steering Committee of the project "Quality Infrastructure for Climate Change and Biodiversity in Latin America and Caribbean" (SIM-PTB project) took place in Bogota, in August 2015.
- Projects approved are running o.k.
- A new call for proposals was sent to NMIs. Proposals till February 2016.



# PROJECTS

- A second phase of SIM- PTB project on “Energy Efficiency and renewable Energies” was approved.
- A meeting of the Steering Committee of the project took place in Bogota, in August 2015 to propose the scope of the new phase.





# PROJECTS



- Component II: Measurement science for emerging technologies: activities related to the development of joint research projects in advanced áreas.
- Component II: Streghtening the regional links with the public and private sectors for the regional regulatory environment and emerging industrial quality infrastructure. The goal of this component is to improve the Management Capacity Building.
- Component III:Strengthening global positioning of the hemispheric metrology infrastructure in international fora.

# PROJECTS

- A new project presented to IBD and was approved this year:

*“Strengthening National Metrology Institutes in the Hemisphere, in support of emerging technologies”*



This is a U\$S 700 000, 3 years project beginning December 2015.ç

This project comprises of three Components,

- Component I: Measurement science for emerging technologies: activities related to the development of joint research projects in advanced áreas.

# NIST-SIM ENGAGEMENT OPPORTUNITIES

Document.



# INTERACTION WITH IAAC

- TC chair was invited to participate in a new Workshop of Traceability (September 2015).
- Objectives:
  - Knowing more about Traceability, CIPM MRA, QSTF, new SI
  - improve IAAC-SIM technical cooperation
  - Drafting a guide document that helps the implementing ILAC P10 within the region improving the coordinated work of SIM and IAAC.



# JCRB ISSUES

- Action 32/9: RMOs to provide the JCRB Executive Secretary with new and updated links to webpages listing training on their websites
- Report on CGPM

As of 01 March 2015, 68 % of the total 1319 comparisons (key and supplementary) are completed and have their reports published in the KCDB;

- Action 33/3: identify Key and Supplementary Comparisons which were started 5 or more years ago and have not reached a conclusion.



# JCRB ISSUES



- Action 33/4: In preparation for the October 2015 CIPM MRA review workshop, the RMOs will prepare a common presentation on behalf of the JCRB panel. AFRIMETS will coordinate preparation of the presentation by collating input from the RMOs.
- Designated Institutes (new document, request for approval). “Designated Institutes participating in the CIPM MRA: Expectations and nomination form”.

# JCRB ISSUES

- Action 33/8: COOMET volunteered to identify an NMI within its region to work with the BIPM in developing a poster for World Metrology Day for 2016.
- Action 33/9: SIM volunteered to identify an NMI within its region to work with the BIPM in developing a poster for World Metrology Day for 2017.



# JCRB ISSUES

- Action 34/3: RMOs to establish mechanisms to identify potential candidates to participate in the BIPM CBKT training programs on “leaders of tomorrow” (scheduled for late 2016) and “a sound beginning” (scheduled for 2017) aimed at training metrologists in leadership and implementation roles in global metrology. Action 33/9: SIM volunteered to identify an NMI within its region to work with the BIPM in developing a poster for World Metrology Day for 2017.





# JCRB ISSUES



- In response to Action 33/3, the written KCDB report lists comparisons that were started 5 or more years ago and that have not reached a conclusion. There are currently 82 KCs and 48 SCs in this category, or 10 % of all comparisons. RMOs were asked to examine the comparisons listed and consider taking appropriate action.
- Action 34/4: The BIPM will investigate the programming burden related to providing customized deadline alert dates to RMO reviewers of CMCs. The specific request is to add a one week reminder prior to the deadline date for submitting the review, in addition to the present three week reminder.

# JCRB ISSUES

- Recommendation 34/1: The JCRB recommends to the CIPM the granting of provisional acceptance of GULFMET as an RMO (within the meaning of the CIPM MRA).
- Resolution 34/1: The policy for reporting comparisons that involve non-signatories to the CIPM MRA is clarified according to the following text:



# JCRB ISSUES



“Measurement comparison reports should be written to reflect the experiment that was actually performed, including summary results from all participants. These reports should be accessible from the online Key Comparison Database, but the graphs and tables of equivalence explicitly shown should include results only from signatory NMIs and DIs.

The results for non-signatory participants should be considered as evidence of metrological competence for any future CMC submissions in the event that the laboratory becomes a signatory to the CIPM MRA.

# JCRB ISSUES

Note: This would not apply to laboratories participating in a measurement comparison under less stringent rules than the signatory laboratories (e.g. as a ‘pilot study’ participant for a measurement comparison in chemistry).”

14.1. RMO comparisons not registered in the KCDB

If the intention of the comparison is to provide evidence to support CMCs, then the comparisons should be registered in the KCDB.



# JCRB ISSUES

## 14.2. Web-access capabilities for CC meetings (SIM)

SIM raised the issue of making CC meetings web-accessible. M. Milton stated that WebEx capability already exists for meetings at the BIPM and its use is decided on a case-by-case basis in communication with the CC president or CC WG chair. RMOs should make the request to the chair for the particular meeting of interest.





- THANK YOU FOR YOUR ATTENTION!!!