



## **SIM-MWG7 Metrology Working Group on Mass and Related Quantities**

CCM meeting  
2005-04-29

### **SIM MWG7 activity report**

#### **1. Workshops and meetings**

SIM participated in the two Joint SIM-APMP Workshops addressing the implementation of quality systems in National Metrology Institutes. The first one was in Ottawa (Canada) in July-August 2003, the second in Kuala Lumpur (Malaysia) in April 2004.

A workshop was organized by INMETRO (Brasil), and held in Rio de Janeiro in early December 2004; subjects covered: uncertainties, torque, pressure, organisation of comparisons, and results of comparisons. Then, it was followed by the SIM MWG7 meeting. At this meeting, there were 21 participants representing 15 countries. Comparisons, reports and organisation, was the main subject of the meeting. As said in the SIM comparisons report, there is still work needed in organising the database of SIM comparisons. The next meeting will take place in Rio de Janeiro, right after the week of 17 – 22 September, 2006 in which will take place the IMEKO XVIII World Congress also in Rio de Janeiro.

#### **2. Structure of SIM MWG7**

The structure of SIM MWG7 needs to be adapted in such a way as to include more involvement from participants from countries other than from NORAMET. At this moment, it seems preferable that the Chair of SIM MWG7 be held by an official member of the CCM in order to facilitate communications and coordination of key comparisons, and at this point, these are limited to NORAMET. The duty of the new chair is now to examine the inclusion of associate members of CCM as future candidates for the chairmanship.

#### **3. Peer review**

A document called “ Proposed Guide for Peer Review ” has been written by J. Torres Guzmán, George Chapman, M. Viliesid Alonso, B. Cederborg from SIM. This guide has been developed with the purpose of having a method to conduct a Peer Review, clearly ensuring the objectives, development, and documentation of the findings and the writing of the final report. It is actually in the review process for comments among the SIM countries, and a large number of comments have already been received. Since we expect to see more peer reviews and, thus far, no such protocol exists, this document will be very useful.

4. International comparison of magnetic susceptibility

Three countries of SIM, Brazil, México and Canada, are involved in an International comparison of magnetic susceptibility organised by NRC. A total of eighteen countries are involved in two petals. All continents, and every significant RMO, are included.

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SIM MWG7 on Mass and Related Quantities