



## **EURAMET TC-Quality**

### **Chairman's Annual Report 2013 - 2014**

The eighth TC-Q meeting was held in Cavtat (Croatia) on April 9 - 11, 2014. It was attended by 64 experts from 31 countries or international organisations together with invited observers: from EURAMET – Mr. Wolfgang Schmid, from EA Laboratory Committee – Mr. Trevor Thompson, representatives of GULFMET, BIPM and IAEA.

The TC-Q plenary was preceded by a meeting of the Steering Committee on April 9, 2014. The Steering Committee and the Plenary meetings were hosted by the Croatian national metrology institute HIM.

The main outcomes of the meeting were:

- Initial QMS presentations by:
  - BIPM: confidence given, minor clarifications requested;
  - United Kingdom, NGML: full confidence given;
  - Greece, EXHM/GCSL-EIM : confidence given, minor clarifications requested;
- QMS periodical re-evaluations:

Most presentations were given by a NMI/DI representative in person. Only in case of MIKES-Aalto, MIRS/UL-FE/LMK and MIRS/IMT/LMT the presentation was made via remote communication system (the first successful live test of the system).

- Egypt, NIS: NMI, confidence given by AFRIMETS, NIS will participate at EURAMET TC-Q meetings as an observer only;
- Finland, MIKES: NMI, full confidence given;
- Finland, MIKES-FMI: DI, confidence given, minor clarifications requested;
- Finland, MIKES-Aalto: DI, confidence given, minor clarifications requested;
- Finland, FGI: DI, confidence given, minor clarifications requested;
- Finland, STUK: DI, confidence given, minor clarifications requested;
- Finland, SYKE: DI, confidence given, minor clarifications requested;
- Hungary, MKEH: NMI, confidence given, minor clarifications requested;
- Ireland, NMWL: NMI, confidence given, minor clarifications requested;
- Italy, INRIM: NMI, confidence given, minor clarifications requested;
- Italy, ENEA-INMRI: DI, confidence given, minor clarifications requested;
- Slovenia, MIRS: NMI, confidence given, minor clarifications requested;
- Slovenia, MIRS/UL-FE/LMK, DI, full confidence given;
- Slovenia, MIRS/UM-FS/LTM,
- Slovenia, MIRS, MIRS/KI/L05, DI, full confidence given;
- Slovenia, MIRS/SIQ/Metrology, DI, confidence given, minor clarifications requested;
- Slovenia, MIRS/IMT/LMT, DI, full confidence given;
- Slovenia, MIRS/IJS/F-2,O-2, DI, confidence given, minor clarifications requested;

- Slovenia, MIRS/ZAG/SM 480, DI, confidence given, minor clarifications requested;
- Slovenia, MIRS/UP-ZRS/LPOO, DI, confidence given, minor clarifications requested;
- Slovenia, MIRS/NIB/FITO, DI, confidence given, minor clarifications requested;
- Poland, GUM: NMI, confidence given, minor clarifications requested;
- Poland, INTiBS: DI, the report was reviewed and accepted, but the representative of INTiBs was not present, the oral presentation was postponed to the next TC-Q meeting according the TC-Q criteria to present QMS within 5-6 years;
- Poland, POLATOM: DI, confidence given, minor clarifications requested;
- The review of 98 annual reports from 30 countries or organisations including those QMSs which were re-evaluated during the meeting, full confidence given to 24 laboratories on spot, minor additional information requested from 62 laboratories and major complementary information requested from 2 laboratories; the additional information is to be delivered within eight weeks after the meeting. One expected annual report from Slovak metrology institute (SMU) was not evaluated during the meeting because the annual report was not available to TC-Q before the meeting (delivered as late as during the meeting proper). After a short evaluation of the report which has raised suspicions about its accuracy TC-Q decided to perform an extraordinary peer review visit in SMU to verify the data as regards the registered CMCs on spot – it was made by Wolfgang Mikovits of BEV Austria on May 27<sup>th</sup>.
- Following the BoD decision in August 2010 strongly recommending an involvement of self-declared institutes in on-site peer reviews a number of additional projects of this type has been added. Their main objective is the realisation of joint/unilateral peer review audits of quality management systems in the following laboratories:  
 EURAMET Project No. 1083 BEV (Austria), METAS (Switzerland) and PTB (Germany).  
 EURAMET Project No. 1123 CEM (Spain), INRIM (Italy), IPQ (Portugal).  
 EURAMET Project No. 1109 MIKES (Finland), CMI (Czech Republic), SMU (Slovakia), GUM (Poland).  
 EURAMET Project No. 1208 DMDM (Serbia) and BIM (Bulgaria)  
 EURAMET Project No. 1219 IAEA and BEV (Austria) + external experts  
 EURAMET Project No. 1119 BoM (FYR Macedonia) and UME (Turkey)  
 EURAMET Project No. 1199 NSAI (Ireland) and CMI (Czech Republic)  
 EURAMET Project No. 1227 LNE-CNAM (France) and various experts from different organizations  
 EURAMET Project No. 1238 UME (Turkey), PTB (Germany), LGC Ltd. (UK)  
 EURAMET Project No. 1231 EIM Greece + UME  
 EURAMET Project No. 1248 LNE-SYRTE France + INRIM Italy  
 EURAMET Project No. 1256 LCOE Spain + SMU Slovakia, National Univ. of Tucuman, Argentina  
 EURAMET Project No. 1265 MBM Monte Negro + UME Turkey

EURAMET Project No. 1266 IMBiH Bosnia and Herzegovina + BEV Austria, CMI Czech Rep. (mass, pressure), VMT/FTMC Lithuania + GUM Poland

An overview of the EURAMET greyed-out/deleted CMCs as of April 2014:

- Bulgaria BIM: 1 CMC in length (June 29, 2009)
- France LNE: 3 CMCs in pressure (April 24, 2009) + 3 in flow (Nov. 24, 2012)
- Belgium SMD: all the 30 electricity CMCs (August 13, 2013) + 6 T/F CMCs (Feb.4, 2013)
- Finland MIKES: 6 CMCs in force/torque (Aug. 27, 2012)
- France LNE-ENSAM: all the CMCs greyed out (3 CMCs – Aug.13, 2013)
- IAEA: 1 CMC in ionizing radiation
- Greece EIM: all the acoustical CMCs deleted

All the relevant documents, including the presentations, are available on the EURAMET TC-Q website. In these documents, both the EURAMET Chair and the TC Chairs can find basic information for any further actions. In particular, TC Chairs have been asked to use the Annual Reports as a source of information as to the current status of QMS implementation and to look after the status of coverage of relevant CMCs.

The conclusion as regards the coverage of EURAMET NMIs/DIs by an approved QMS established at previous meetings is still valid: all the EURAMET NMIs are covered by either accreditation by an ILAC MRA signatory or by on-site visits by peers. All the A-DIs with CMCs are either accredited, peer reviewed or audited by their respective NMI inclusive the international organization IAEA Vienna.

At the end of the meeting, representatives of GULFMET held their respective presentations and expressed their gratefulness to EURAMET to have a chance to attend the meeting.

The laboratories or countries involved in the next QMS periodical re-evaluations are the following: Bulgaria, Croatia, Czech republic, EC JCR IRRM, Poland – INTiBs (only oral presentation), Greece, Latvia, Lithuania, Romania, Serbia, possible initial presentation: SCK-CEN/LNK, Belgium.

The next plenary meeting will take place in Prague, Czech Republic, on March 17<sup>th</sup> - 19<sup>th</sup>, 2015. The Steering Committee will meet at the same date and place.

Several other points were also discussed by TC-Q:

In cooperation with the EURAMET Secretariat a decision has been made to prepare a dedicated TC-Q database to facilitate the handling of TC-Q documents. The new developments concerning the TC-Q database were presented at the meeting. Within the period 2013/2014 the process of uploading the database with data has been finished and the database was made available to TC-Q contact persons to check and confirm the data in the database. The database will be made accessible to technical TC Chairs in July 2014 together with the new EURAMET website.

Mr. Enver Sadikoglu (UME Turkey) was elected as a new TC-Q chairman and will take over as a Chair after the EURAMET GA in June 2014.