



EURAMET TC-Q

The Chair's Report 2011 - 2012

Pavel Klenovsky, TC-Q Chair
CMI, Czech Republic

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6th EURAMET GA
Lyngby, Denmark, May 21 – 25, 2012

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New TC-Q documents

- **QMS review procedure + Guide on peer review visits inclusive a template of a report (a task from BoD) finished in 2011**
- **BoD decision, August 2010: a non-mandatory system of on-site visits adopted, on-site visits strongly recommended – see BoD decision B11-D06, August 2010 (especially for institutes from new EU Member States ! but they can use various European subsidies to support it financially)**
- **the template now extensively used – is available on the public part of the TC-Q website**

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External auditing – survey 2011

EURAMET maintains its quite flexible approach to on-site external auditing in the EURAMET institutes - the existing options are:

- **accreditation** (by an ILAC MRA signatory)
- **on-site visit by peers** (inclusive an internal audit with external auditors)
- **an audit made by the corresponding NMI** (applicable only to A-DIs)



External auditing – results: NMIs

- **after a review last year there were only 4 NMIs with approved or submitted CMCs without any coverage by on-site external auditing:**

NSAI NML Ireland, JV Norway
(regularly peer reviewed), SMD
Belgium (accredited), ENEA-INMRI
Italy, MKEH Hungary and DMDM Serbia



External auditing – results: NMIs

NSAI NML Ireland:

- the situation discussed with CMI
- a new on-site visit by peers has been registered: CMI Czech Republic assessed the QMS itself and the field of pressure in NML in the period of March 14 – 16th, 2012
- an audit of the existing ISO 9001 system by BSI in December 2011



External auditing – results: NMIs

DMDM Serbia:

- DMDM is accredited in dimensional measurements and in testing of electricity meters by two accreditation bodies: Hellenic Accreditation System - ESYD (EA MLA signatory) and Accreditation Body of Serbia-ATS
- a new **peer review group** has been formed: BIM (BG) + DMDM (Serbia), EURAMET **project no. 1208** with a first action in December 2011





External auditing – results: NMIs

ENEA-INMRI Italy (ionizing radiation only):

- a communication with Director P. De Felice
- agreed that an on-site peer review visit will be made, after some changes to the QMS, **during 2012** within the peer review group of Spain, Portugal and Italy (TC-Q project no. 1123)



External auditing – results: NMIs

- **MKEH Hungary:** accreditation by NAT (after it becomes an ILAC MRA signatory – expected soon), **half of the scope by the end of 2012**
- **VMT Lithuania:** 2 motions in the Parliament to transform VMT into a full-scale NMI (not only a roof organization above a number of institutes, being void of any technical capabilities in metrology)



Situation of some NMIs

EIM Greece:

- greyed-out CMCs in acoustics (8): to be **released** through a peer review by the end of **2013**
- EIM to be **peer-reviewed** by UME
Turkey in QMS and in 1 subject field in June **2012**



External auditing – conclusion: NMIs + DIs

The conclusion:

All the EURAMET NMIs are covered (or are being 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 !

LNE-ENSAM (with greyed-out CMCs) - status of their QMS: not approved by TC-Q



Greyed-out CMCs - EURAMET

apart from Greek accoustical CMCs there are only the following ones:

- **Bulgaria:** 1 CMC in **length**
- **France:** 3 CMCs in **pressure**



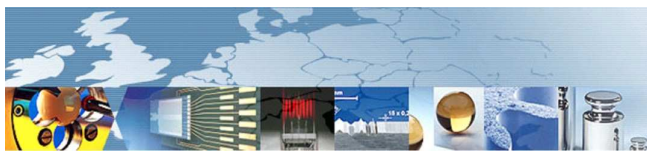
Curent TC-Q peer review projects

- **Germany, Switzerland, Austria:** project no. 1083
- **Italy, Spain, Portugal:** project no. 1123
- **Finland, Czech Republic, Slovakia, Poland:** project no. 1109
- **Serbia, Bulgaria:** project no. 1208
- **BoM Macedonia with UME Turkey:** project no. 1119
- **IAEA with BEV + experts:** project no. 1219
- **Ireland with Czech Republic:** project no. 1199
- **EIM + UME:** project no. 1231
- **LNE-CNAM (various experts):** project no. 1227



New TC-Q documents

- **2011: a new project to simplify the template for annual reports:**
 - after a complete overhaul after the meeting is now finished
 - a number of **administrative simplifications** but one new item: a **table of intercomparisons** made since the last meeting + the results (the same is to be delivered to accreditation bodies → no additional burden)



New TC-Q documents

- subsequently, all the remaining guidance documents (**Initial QMS presentation, QMS re-evaluation**) will be updated so that the entire TC-Q documentation will be overhauled by the meeting in 2013





QMS oriented database

- **TC-Q database** accessible on the EURAMET website is under preparation by the EURAMET Secretary and TC-Q Secretary
- main goal: to present an **overview of QMSs of all NMIs and DIs** participating in the TC-Q review procedure and to **simplify the administration of all the TC-Q documents**



QMS oriented database

Information in the database is presented in two parts:

- 1. part: **general overview** of all the NMIs and DIs (QS approved/not approved, CMCs published, name of the NMI or DI, country)
- 2. part: **presentation of each NMI/DI** (with a link to the general overview) – contains all info about NMI/DIs activities related to QMS (TC-Q initial presentation, TC-Q re-evaluation reports, TC-Q annual reports, on-site peer review, accreditation, technical fields of CMCs) with all relevant documents and presentations





Cooperation with „technical“ TCs

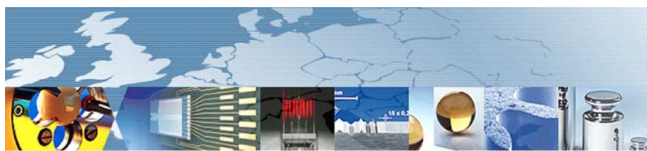
- technical TC Chairs have been explicitly asked to make available to TC-Q **any information about underperformance of any institute in intercomparisons** or about any info raising concern relevant to their QS life
- this will subsequently be used by TC-Q to make decisions about possible on-site visit by peers
- complaints by NMIs about too low CMCs of some accredited labs: to be taken up with EA LC **if reported by TC-Q contact persons**

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JCRB/BIPM

ILAC-BIPM communication on accreditation of NMIs:

- technical experts have to possess necessary qualification to make assessments of NMIs
- approved by CIPM, in March 2012
approved by ILAC and published

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JCRB/ILAC

ILAC document P 10 on traceability: CIPM MRA signatories recognized as providers of metrological traceability in the area of calibrations in the accreditation system

- EA has raised the issue concerning recognition of **calibrations made by accredited calibration laboratories for traceability purposes within CIPM MRA** – a mirror reflection of what is written on the issue in P 10 applicable within CIPM MRA



JCRB/ILAC

ILAC document P 10 on traceability: 3 ways how to achieve traceability in accredited calibration labs:

1. CIPM MRA – calibration fit for the intended application
2. accreditation under ILAC MRA – **calibration fit for the intended application**
3. the service not covered by either CIPM MRA or ILAC MRA

The proposal voted down: under 3 it should be: „**if none of the above is available...**”



JCRB/ILAC

ILAC document P 14:12/2010 ILAC policy for uncertainty in calibration, effective since 11/2011:

- **on the BMC to CMC transition, without any technical guidance how to estimate uncertainties**
- **in Europe it is complementary to EA-4/02 but non-compliances between both documents identified**
- **a working group in EA should fix it in 2012**



ILAC/EA

- **EA wg ILC: struggles for many years to launch special EA ILCs to underpin the MRA**
- **CMI is currently working with the Chair of the group Mr. Barel to launch the first such ILC for accelerometers**
- **HHC – will discuss a possible use of regular and successful participation of calibration labs in ILCs/PTs to reduce the frequency of surveillance visits (under revision of the corresponding EA document EA-3/09)**



EURAMET strategy – strategic objective 5.5

- to prepare a proposal to **streamline the procedure of CMC approval** within CIPM MRA, to discuss it internally (BoD, TC-Q, TC-IM) and to take it up with JCRB;
- **in TC-Q to overhaul the existing documents** with requirements for NMIs/DIs with the idea to simplify them without a loss of credibility to CIPM MRA;
- to work with EA Laboratory Committee to reach consensus on **equivalence of both procedures** (accreditation versus CMC approval under CIPM MRA);



EURAMET strategy – strategic objective 5.5

- to support efforts on the part of EA Laboratory Committee to launch **European-wide intercomparisons of accredited calibration labs** (to underpin the ILAC/EA MRA);
- to join forces with the EA Laboratory Committee and to approach COM with an idea to **financially support intercomparisons both within EA (see above) and EURAMET** (key + supplementary comparisons)



EURAMET strategy – strategic objective 5.5

- to work with representatives of European calibration labs and possibly to establish a seed within EURAMET of a future independent European association of calibration labs (**EUROCAL**).

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New TC-Q Chair

- the tenure of the TC-Q Chair expired in 2012
- 2 options: either a confirmation or a new voting
- the decision was taken at the meeting
- no new candidates available → **current TC-Q Chair Mr. Klenovsky, CMI Czech Republic confirmed for next 2 years**

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Task force for discussions with EA LC

- **EA Laboratory Committee, September 2011:**
E.Oehlenschlager of DANAK proposed a joint task force to discuss common problems or exchange views
- **3 representatives from both sides**
- **1 meeting annually**
- **EURAMET representation - proposal: the Chair + 1 of accredited NMIs (EU JRC IRMM – Michael Bickel) + 1 of self-declared NMIs (PTB – Andreas Odin)**



Thank you for your attention!

