

G09.05.02 Report of the TC Quality

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Overview of TC-Q



- 36 contact persons
Cyprus and Luxembourg are missing
- Regular annual meetings since 2004
- Permanent secretary: Silvie Hoffmanova (CMI, Czech Republic)
- Steering Committee: 12 persons



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Changes in 2014



- Germany Kai Stoll-Malke (PTB)
- Italy Ines Fabbro (INRiM)
- The Netherlands Jos Verbeek (VSL)
- Poland Monika Kusyk (GUM)
- Portugal Fernanda Saraiva (IPQ)
- Slovakia Attila Ersek (SMU)

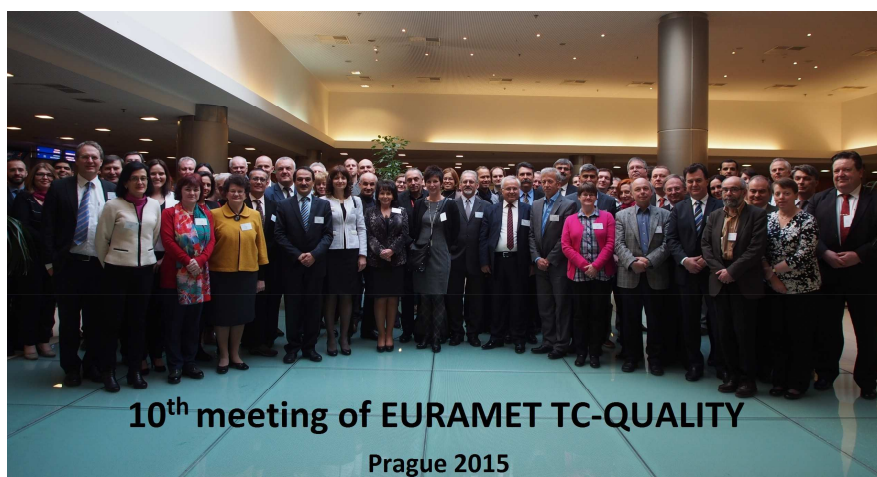


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Last TC-Q meeting and outcomes



Venue: Prague, Czech Republic

Date: 17-19 March 2015

64 participants from 35 countries



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Last TC-Q meeting and outcomes



- 3 new initial presentations

- Estonia, University of Tartu (DI)
- Belgium, SCK-CEN/LNK (DI)
- Serbia, VINS (DI)
- Switzerland, MBW Calibration Ltd (DI)



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Last TC-Q meeting and outcomes



- Re-evaluation presentations from 7 countries and IRMM
 - IRMM (EU)
 - BIM-NCM (Bulgaria)
 - CMI and 4 DIs (Czech Republic)
 - EIM and HIRCL/HAEC (Greece)
 - INM and IFIN-HH (Romania)
 - HMI and 5 DIs (Croatia)
 - LATMB (Latvia)
 - DMDM (Serbia)
 - INTiBS (Poland)
- Review of 100 Annual Reports from 30 countries
- 1 hour mini seminar



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Next TC-Q meeting



- Date : April 2016
- Place : Skopje (FYROM)
- Host : BoM

- New Presentations (?)
- Re-evaluation Presentations
 - FTMC, VMC, LEI (Lithuania)
 - IMBiH (Bosnia and Herzegovina)
 - DFM and 6 DIs (Denmark)
 - JV, NRPA, NILU (Norway)
 - SMU (Slovakia)
 - SP and SSM (Sweden)



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Grey-out CMCs



- **Bulgaria (BIM):** 1 CMC in length (June 29, 2009)
- **France (LNE):** 3 CMCs in pressure greyed out since April 24, 2009 were deleted in May 2, 2014
- **France (LNE):** 3 CMCs in flow (November 24, 2012)
- **Belgium (SMD):** all the 30 electricity CMCs (August 13, 2013) + 6 TF CMCs (February 4, 2013) - **6 CMCs re-installed on November 28, 2014**
- **Finland (MIKES):** 6 CMCs in force/torque (August 27, 2012)
- **France (LNE-ENSAM):** all the CMCs greyed out (3 CMCs – August 13, 2013)
- **IAEA:** 1 CMC in ionizing radiation



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Current trends



- Number of peer review projects are increasing

Project No. 1303 FTMC (Lithuania), VMC (Lithuania), GUM (Poland)

Project No. 1340 NRPA (Norway), JV (Norway), SSM (Sweden)

Project No. 1347 CMI (Czech Republic), NPL (UK)

Project No. 1348 PTB (Germany), Vinča Institute (Serbia)

Project No. 1349 NSAI NML (Ireland), MIKES (Finland)

Project No. 1355 IMBiH (Bosnia and Herzegovina), MIRS/UL-FE/LMK (Slovenia)

Single project in **2009**, **15** projects in **2014**, **23** projects in **2015**



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Current Status



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 published CMCs are either accredited, peer reviewed or audited by their respective NMI inclusive the international organization IAEA Vienna.



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TC-Q Database



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<http://www.euramet.org/index.php?id=tc-q-db>

TC-Q Overview table

Country	Full Name Institute	Status	Metre Convention	MRA Appendix	CMCs published	QMS	Accr.	Peer review
Finland	Aalto	A-DI	Member	Yes	Yes	Yes	No	Yes
Germany	BAM	A-DI	Member	Yes	Yes	Yes	No	No
Austria	BEV	M	Member	Yes	Yes	Yes	Yes	Yes
Austria	BEV/E+E	A-DI	Member	Yes	Yes	Yes	Yes	No
Bulgaria	BIM	M	Member	Yes	Yes	Yes	Yes	Yes
Denmark	BKSV-DPLA	A-DI	Member	Yes	Yes	Yes	Yes	No
FYR Macedonia	BoM	M	Associate	Yes	Yes	Yes	Yes	Yes
Germany	BVL	A-DI	Member	Yes	Yes	Yes	No	No
Spain	CEM	M	Member	Yes	Yes	Yes	No	Yes
Czech Republic	CHMI	A-DI	Member	Yes	Yes	Yes	Yes	No
Spain	CJEMAT	A-DI	Member	Yes	Yes	Yes	No	No

TC-Q Database is operational

Work on the transfer of all data to new web-site is in progress



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TC-Q is a platform for sharing of knowledge and experience



2013 Measurement of customer satisfaction

2014 IT tools for various QMS processes

2015 Guidelines on borderline CIPM MRA activities and use of ISO Guide 34



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Other Issues



- 2 EURAMET institutes (MIRS/UP-ZRS/LPOO and MIRS/ZAG/SM 480) have no CMCs 5 years after approval of their QMS
- 23 EURAMET institutes having CMCs published on the BIPM KCDB did not issue a single calibration certificate with the CIPM MRA logo in 2014.



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Thank you for your attention



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