



1) Overview of the TC-Q

The EURAMET Technical Committee for Quality (TC-Q) is EURAMET's operational structure to share and develop knowledge on ISO/IEC 17025 and ISO 17034 and on their implementation in National Metrology Institutes (NMI) and associated Designated Institutes (A-DI). TC-Q is responsible for reviewing and providing formal acknowledgement of the Quality Management Systems (QMS) of EURAMET Members and Associates in the framework of the Mutual Recognition Arrangement of the CIPM (CIPM MRA).

TC-Q has no formal auditing or judgement authority. By asking how an NMI's Quality System is implemented, and by offering feedback on best practice, TC-Q has become the EURAMET way of doing Quality System review by peers.

TC-Q was established by the EURAMET General Assembly in May 2005, in continuation of the activities of previous Quality System Forum (QS-Forum).

Basic TC-Q numbers are:

- 37 contact persons (+ 4 Observers: IAEA, Kosovo, Israel, and Kazakhstan)
- Cyprus, Malta, Ukraine has not appointed TC-Q CPs or observers yet.
- Regular annual meetings since 2004
- Permanent secretary: Silvie Hoffmanova
- Steering Committee: 16 persons

The geographical distribution of TC-Q meetings is truly pan-European:

TC-Q meetings



2003	Istanbul (TR)
2004	Lisbon (PT)
2005	Bucharest (RO)
2006	Valetta (MT)
2007	Madrid (ES)
2008	Sofia (BG)
2009	Thessaloniki (GR)
2010	Brussels (BE)
2011	Belgrade (RS)
2012	Warsaw (PL)
2013	Sarajevo (BA)
2014	Dubrovnik (HR)
2015	Prague (CZ)
2016	Sarajevo (BA)
2017	Dublin (IE)
2018	Paris (FR)
2019	Ljubljana (SI)
2020	virtual
2021	virtual
2022	Lisbon (PT) hybrid
2023	Bern (CH) hybrid



2) Quality management system (QMS) review process

It is the procedure for reviewing the quality management systems of:

- EURAMET NMIs and
- Designated Institutes (DIs)

within the framework of the review of calibration and measurement capabilities declared by EURAMET Member NMIs and DIs for the purpose of recognition under the global CIPM Mutual Recognition Arrangement.

Requirements for technical assessors

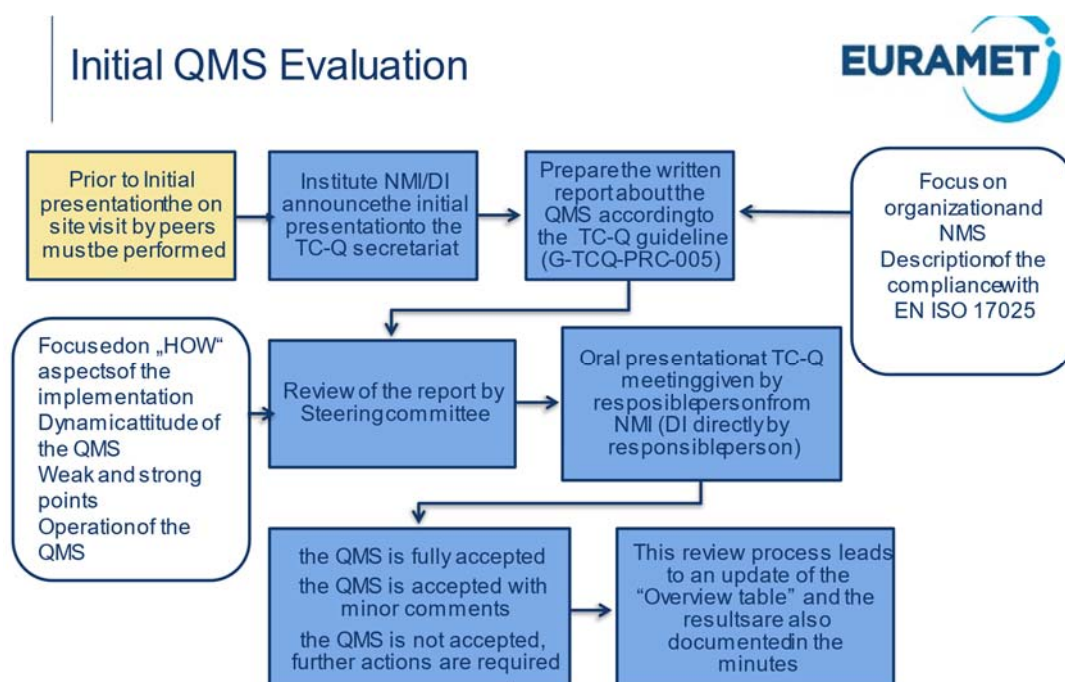
Section 3.2 of the QMS Review Procedure:

- Technical assessors shall come from a laboratory which is at least on the level as the assessed laboratory or
- Shall meet the criteria given in “Guide for on-site visits by peers in the framework of CIPM MRA” (G-TCQ-PRC-006) and
- Shall meet the requirements of A3 of CIPM MRA-G12 document (see Documents on the CIPM MRA - BIPM)

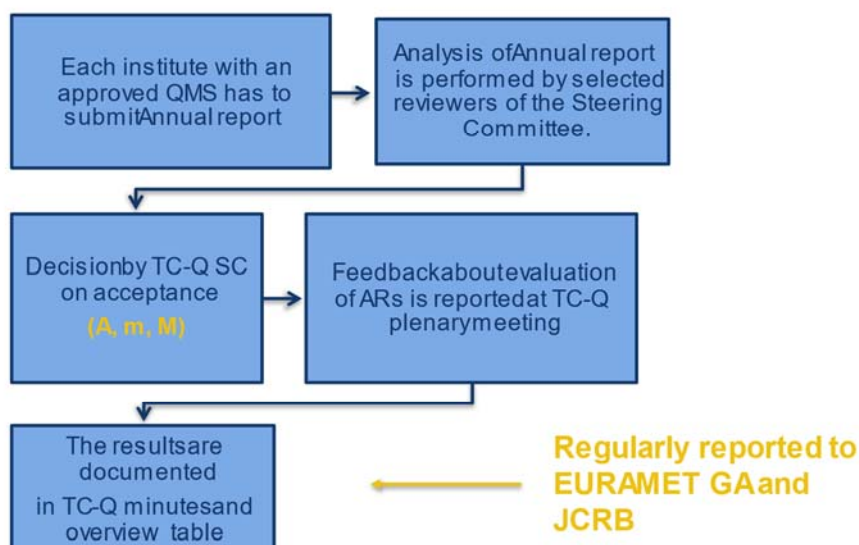
Regarding assessors/experts, the Assessment Reports (accreditation or peer review) as well as Annual Reports (ARs) should contain the sentence: „This report is in compliance with Appendix 3 of CIPM MRA-G-12”

The main review steps for every NMI and DI include:

- Initial QMS Evaluation
- QMS Annual reporting
- QMS Re-evaluation

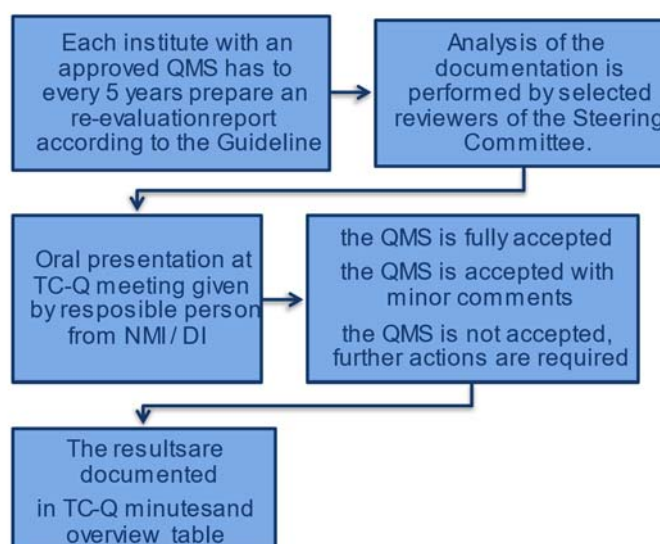


QMS Annual reporting



- A** - the QMS is fully accepted
- m** - the QMS is accepted with minor comments
- M** - the QMS is not accepted, further actions are required

QMS Re-evaluation



Peer Reviews

Mandatory on-site visits by peers are organised in EURAMET projects. The link to project is as follows:

<https://www.euramet.org/technical-committees/tc-q-projects/>

3) Last TC-Q meeting and outcomes

Hybrid EURAMET TC-Q Meeting in METAS, Switzerland

- Date: 28th – 30th March 2023
- 81 participants from 36 countries

Format of the TC-Q meetings:

- Review of actions from the previous meeting
- TC Chair report
- News from EURAMET
- Feedback from JCRB meetings
- Initial presentations
- Re-evaluation presentations
- Feedback on review of Annual Reports
- Reports on TC-Q projects
- Workshop
- Laboratory visits (not applicable in online meetings)

Re-evaluation presentations from 27 laboratories

- Austria – BEV, E+E, EAA,
- France – LNE, LNE-CETIAT, LNE-CNAM, LNE-IRSN, LNE-LADG, LNE-LNHB, LNE-LTFB, LNE-SYRTE, LNE-TRAPIL,
- Montenegro – MBM,
- Portugal – IPQ, IST/LPSR,
- Spain – CEM, CIEMAT, IO-CSIC, INTA, ISCIII, LCOE, ROA,
- Switzerland – METAS, IRA, PMOD/WRC, MBW,
- Bosnia and Herzegovina - IW.

Annual reports

TC-Q SC reviewed **106** annual reports from **35** countries

- **full** confidence was given to **34** NMIs/DIs on the spot,
- **minor** additional information was requested from **71** NMIs/DIs
- **major** complementary information was requested from **1** institutes

Additional decisions

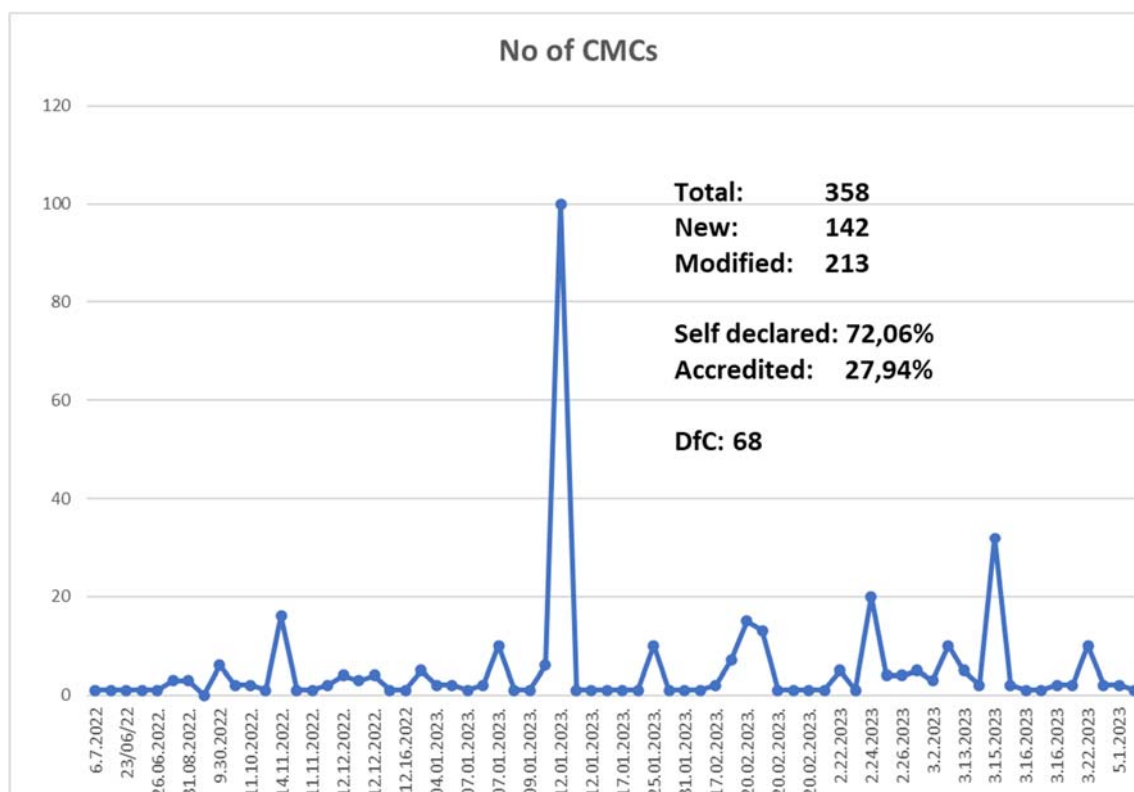
- TC-Q decided to change AR Template by adding sentence about conformity with CIPM-MRA G-12 App-3 (or G-TCQ-PRC-006 Guide for on-site visits by peers, clause 2.3, which directs to compliance to G-12 App 3 anyway).
- TC-Q decided to form a Task Group (TG) for ILC Reporting (TG-ILCR) in the AR Template. The TG is chaired by Enver Sadikoglu from UME.
- TC-Q plenary decided to organize the online extraordinary TC-Q meeting in 3 Q. or 4 Q. 2023 to enable GEOSTM to present the Re-evaluation presentation. TC-Q plenary will be informed at least 2 months in advance.

4) Major activities in 2023 and 2024

Mainstream work:

- Evaluation of Annual Reports and feedback to NMIs and DIs,
- Declarations of coverage of CMCs
- Evaluations of Initial presentations,
- Evaluations of Re-evaluation presentations,
- Approval and Reports on TC-Q projects,
- Reports to TC-Q, GA, JCRB, EA-LC, etc.

Declarations for Coverage of CMCs, 5.2022 to 5.2023



Additional work:

- **Cooperation and support to Ukraine and Georgia** to facilitate the transition to EURAMET and to subsequently attain TC-Q QMS Confidence.
- **Preparation for IT support:**
 - Automation of peer-Review project approval,
 - On-line form of Part 1 of Declaration for Coverage of CMCs (ongoing). Possibility for cooperation with BIPM.
 - Construction of Part 2 of Declaration for Coverage of CMCs (ongoing). Possibility for cooperation with BIPM.

5) New EURAMET Members and Liason organizations

- On 7th November 2022, the EURAMET GA accepted the applications of Ukraine (ME) and Georgia (GEOSTM) to become members of the association.
- As of 1st February 2023, EURAMET started running Ukraine (ME) and Georgia (GEOSTM) CIPM MRA related activities.
- LNEC-UHM (Laboratório Nacional de Engenharia Civil – Unidade de Hidráulica Metrológica – Portugal) was accepted as Associate (A-DI) in EURAMET.
- KazStandard (Kazakhstan Institute of Standardization and Metrology) was accepted as Liaison Organisation in EURAMET.

6) New TC-Q Contact Persons

Italy: Luigi Iacomini (INRIM) Replaces Ezio Dragone, (TC-Q CP and SC member)

7) Next meeting

April 2024 in VSL, The Netherlands

Expected Re-evaluation presentations in 2024

- Albania – DPM,
- Belgium – SMD,
- Finland – MIKES, Aalto, MIKES-FMI, FGI-GG, STUK,
- Greece – EIM, IRCL/GAEC-EIM, EXHM/GSCL-EIM,
- Hungary – BFKH,
- Ireland – NSAI NML,
- Italy – INRIM, ENEA-INMRI,

- Slovenia – MIRS, MIRS/SIQ/Metrology, MIRS/UL-FE/LMK, MIRS/UM-FS/LTM, MIRS/IJS/F-2,O-2, MIRS/IMT/LMT, MIRS/NIB/FITO, MIRS/ZRS Koper/LAB-IZO, MIRS/ZAG/SM 480
- Türkiye – UME, TENMAK-NÜKEN,
- Bosnia and Herzegovina – LABSAGAS
- Croatia – DHZM-SOUL.

Davor Zvizdic



Chair of EURAMET TC-Quality

