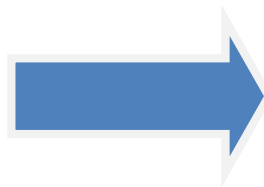


Evaluation of QMS by EURAMET TC-Q

Silvie Hoffmanova, CMI

Main goal



**Participation in
CIPM MRA**

NMIs/DIs

- operating a QMS to support their calibration and measurement activities (under CIPM MRA)

**EURAMET
TC-Q**

- mandate to review the implementation of QMS based on ISO/IEC 17025 and/or ISO Guide 34
- mandate to monitor QS life (annual reports, on site visits by peers)

Review criteria



accredited QMS

- claimed CMCs are identical with CMCs assessed by the accreditation body
- technical assessors shall come from a laboratory which is at least on the level as the assessed laboratory
- the names and qualifications of assessors must be made known to TC-Q
- the relevant excerpts from assessment reports (findings) must be made available to TC-Q by way of annual reports

self-declared QMS

- the QMS should undergo an on-site peer review visit
- institutes are to arrange for on-site peer review visits by themselves in compliance with the provisions of EURAMET
- institutes submitting their CMCs for the first time shall undergo an on-site peer review prior to their initial QMS presentation
- the template of the Final Record or the corresponding record should be used and has to be identified and reported in the annual report

Other criteria

- CMCs have been established as a result of published scientific work in impacted and refereed international journals, etc.
- Piloting CC KCs or EURAMET KCs or SCs.
- Knowledge of the institutes' capabilities through active participation in EURAMET projects and activities.
- Participation in scientific and training activities, study visits by peers and consultations with technical experts from other RMOs.

Review process: on-site visit by peers

- Why?
- the staff assigned to the measurement and/or calibration activities is technically competent;
- the laboratory is capable of obtaining valid technical results according to the declared measurement and calibration capabilities; and
- the quality management system (QMS) complies with the requirement of the CIPM MRA.

On-site visit by peers: Terms

- **Peer review group:** a group of institutes to make mutual peer review visits to cover their scope of CMCs as required. This activity is to be registered as an official TC-Q project. These groups are to be formed by institutes themselves on the basis of geographical, technical, language or other natural affinities.

On-site visit by peers - Terms

- **Peer-reviewer:** a person participating in/conducting a peer review assessment of an institute's technical competence who is recognized by EURAMET
 - Management part – quality management qualification
 - High competence in the field (BIPM employee, experts from foreign laboratories, world leading experts – knowledge of QMS)

On-site visit by peers - Terms

- **On-site visit by peers:** a review of specified requirements made on-site in an institute by peer reviewer(s) external to the institute being peer reviewed. For the purpose of this document the following arrangements are considered to be compliant with this definition:
 - a team of reviewers covering the management system and the subject fields under consideration makes an audit at a single period of time;
 - audits are made separately by various peer reviewers (per partes);
 - an internal audit with an external expert – peer reviewer;
 - a NMI having a suitably qualified peer reviewer makes an audit in its DI or vice versa.

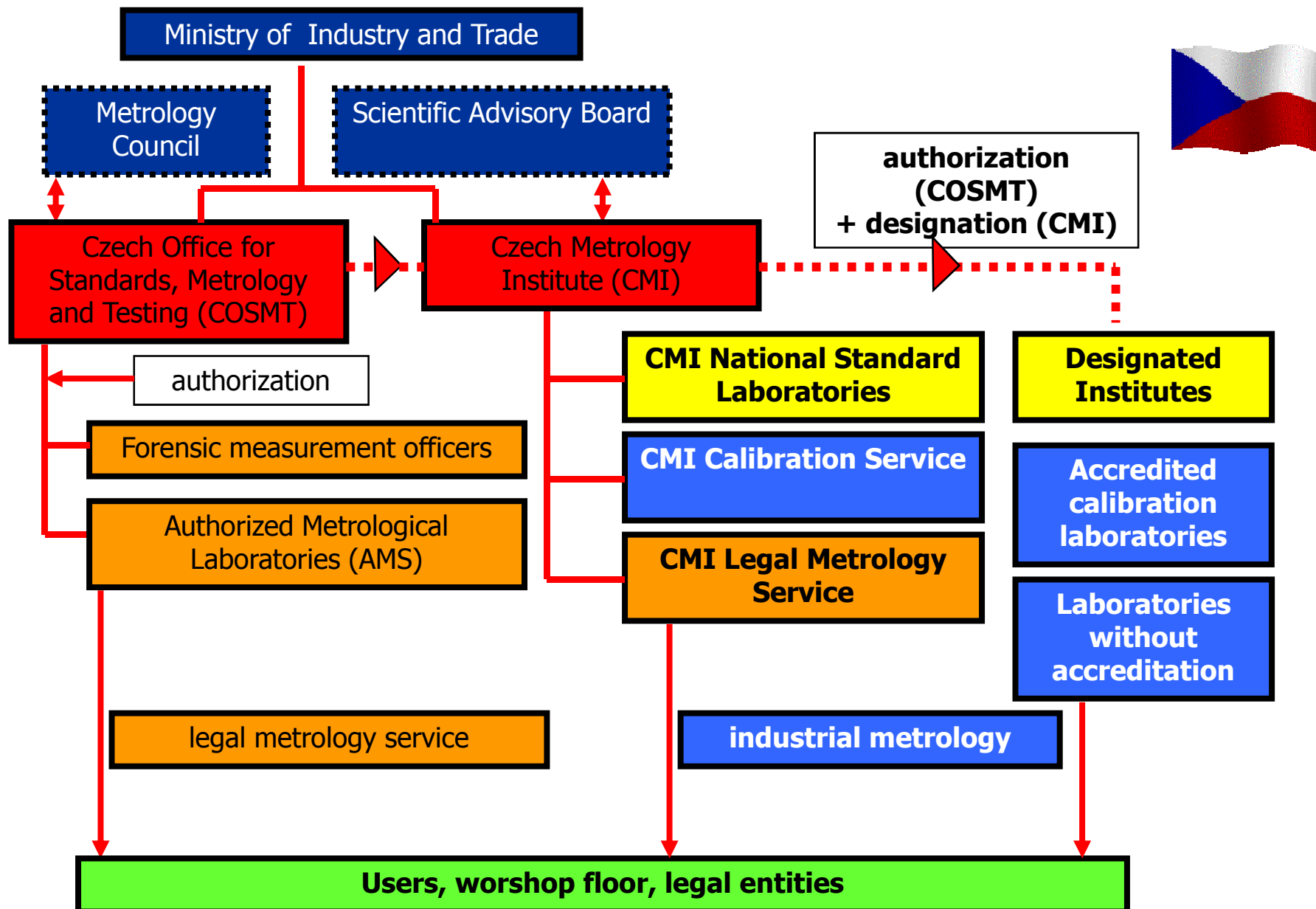
Purposes of on-site peer review visit

- periodical on-site peer review visits as approved by EURAMET in pursuance of its responsibility to review quality management systems of its members (QMS review procedure);
- extraordinary on-site peer review visits in case of evidence-based serious doubts in the performance of a quality management system, whether accredited or self-declared, as stipulated by par. 4.6 of the QMS review procedure [8].
- All the on-site peer review visits shall be formally registered as TC-Q projects.

Review process: initial presentation

NMS

- Provide information about the centralized or decentralized system (in the case of a decentralized system indicate which institutes are involved and the requirements imposed on these institutes), the national metrology law and the procedure for appointing national measurement standards.



Review process: initial presentation

- [Guideline for initial presentation](#)
- Provide this information for the past 3 years, including the current year (if possible).

Review process

- Annual reports – guideline and template
- Re-evaluation report - guideline