

# Guide 9: EUROMET Review Procedures for other RMOs' CMCs

## Background

The implementation and maintenance of CIPM's Mutual Recognition Arrangement of national measurement standards and of calibration and measurement certificates issued by national metrology institutes requires RMO's to mutually review the calibration and measurement capabilities (CMC) declared by their member NMIs. The review principles are the result of EUROMET project 513 and discussions held at the 4th JCRB meeting. They have been adopted by the EUROMET Committee at its annual meeting in June 2000 in Istanbul.

The version 1.1 of Guide no 9 takes into account the "Procedures for inter-regional review of CMCs" adopted by the JCRB in October 2000. The version 1.2 takes into account the EUROMET name changes as adopted at the EUROMET General Assembly in May 2001.

## Review procedures

It is assumed that the review process and criteria used by other RMOs are similar to those used by EUROMET, that is, according to EUROMET Guide no 8 "Review Criteria and Procedures for EUROMET CMCs". The EUROMET Technical Committee (TC) Chairman (Rapporteur) contacts his colleagues from other RMOs in order to sharing the inter-regional review (not all RMO CMCs must be reviewed by all RMOs).

The following principles are applied:

- The review is carried out by the EUROMET TC Chairman and/or the expert(s) designated by the TC Chairman and through direct communication with the concerned RMO committee or working group.
- CMCs are reviewed according to the EUROMET internal review principles by sampling of a small number of the proposed CMCs chosen to evaluate the more critical CMCs\*).
- Most of the sampling should be at the higher level of capability but, as a check, a small sample of related lower level calibration should also be taken.
- A special attention should be paid to any particularly low uncertainty.
- A comparison with those claimed by EUROMET members of similar size and experience could be used to detect discrepancies.
- The consistency between the sampled CMCs and the degree of equivalence based on key comparisons should be checked.
- The existence of a quality system, accredited or self-declared, but covering the CMCs under re-view, should be taken into account. This information has to be passed along with the CMCs.
- Any variation in views between EUROMET members will be resolved internally before an opinion is passed to the JCRB.
- The TC Chairman or designated expert(s) sends a short final report on the reviewed RMO CMCs including names of reviewers to the EUROMET Chairman who forwards it to the JCRB Chairman.

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\*) The more technical review criteria, procedures and documentation are harmonised among regional subject fields (technical committees) the less sampling of CMCs may be required.

