

**Revised Terms of Reference and Tasks for the
Task Group for Emerging Technologies (TG-CTh-ET)**

TERMS

The terms of reference of the CCT TG-CTh-ET are to identify, study and advise the CCT on matters related to the areas of emerging technologies.

TASKS

- Review the field and report to the CCT on various emerging technologies for contact thermometry devices and measurement techniques;
- Review and report on published data from various emergent technologies including a comparative study of the advantages, limitations, materials, and temperature ranges;
- Document existing figures of merit for emerging technologies and best practices for calculating them;
- Document best measurement practices/technology requirements for emerging technologies that ensure that the new thermometers are practical (e.g. packaging) and could be compared with the existing technologies;
- Review and report on the potential of some of these emergent technologies for primary thermometry;
- Publish a review of emerging technologies in thermometry, including a discussion of theory, practice, expected uncertainty and application areas in a peer-reviewed journal.