



CCMAS41 Q&A

Revision of the Guidelines on Measurement Uncertainty

CXG 54 - 2004

1.
**Why is this topic important
to the committee?**



Following the publication of ISO/IEC 17025:2017, test laboratories face increased scrutiny regarding measurement uncertainty (MU) and its application in conformity assessment. Given the wide range of approaches for determining MU, CXG 54 and the Information Document will provide orientation and contribute to achieving harmonization.

2.
**What stage
is the work at?**



All comments relating to the first two drafts have been addressed, so that both documents are nearing completion.

3.
**How did you use
the extra time due to the
postponement of CCMAS41
from 2020 to 2021?**



The extra time due to the postponement of CCMAS41 was used for intensive discussion with other working groups - in particular with a view to establishing a consistent framework for CXG54 and CXG50.

4.
**What were the critical choices /
decisions you had to take
and why did you take them?**



It was decided not to include a discussion of sampling uncertainty in CXG54 and the information document, even though ISO/IEC 17025:2017 requires that any contribution to overall uncertainty due to sampling should be determined. The reason for this omission is that a sufficiently thorough treatment of sampling uncertainty would lie beyond the scope of these two documents. Along with CXG50, CXG54 and the information document lay the groundwork for a discussion of sampling uncertainty in a subsequent guidance document.

5.
**How do you expect
the discussion to develop
at the session?**



It is expected that the discussion in the next session will focus on the intelligibility of the documents, their practical relevance in terms of providing orientation and clarifications, the necessity of complementing validation data with the results of additional studies and the underestimated importance of the fundamental variability (for some food types).

6.
**What background documents
should less experienced
delegates read before
the meeting?**



Delegates should have basic familiarity with sections 3.7 and 7.6 in ISO/IEC 17025:2017, the JCGM framework for MU (e.g. as presented in JCGM 104). The Eurachem Guide QUAM:2012.P1 will prove very useful for the discussion.

