



# Action in the Field

Brief Activity Report



**Building Skills for Uncertainty.** The Philippine Accreditation Office (PAO) implements the training on measurement of uncertainty among government and private sector assessors i.e., third party testing laboratories and teaching staff from universities handling probability subject matter. The training conducted by TRTA measurement of uncertainty expert Dr. Edzard Ruehe caps the learning exercise as one that is being equipped to make good quality measurements and to understand the results. And on the practical aspect, as one that is competent in making measurements as part of calibration where measurement of uncertainty needs to be reported in the certificate; or for testing where measurement of uncertainty is required to know a pass or fail. Similarly as for endusers: to be able to read and understand calibration certificate or a document of specification for a test or measurement. In a larger context, assessors equipped in making measurements of uncertainty provides the industry sector an expert resource pool to assist industry operations as they chart, track, or implement its operations for production, raw material supply, quality management, fit determination, among other uses where uncertainty comes as a strategic factor in industrial management.

Component	Standards Harmonisation and SPS Conformity
Implementing Agency	Department of Trade and Industry — Philippine Accreditation Office (PAO)
Activity	Training on Measurement of Uncertainty
Dates/Site	8-9 Nov. 2011 and 10-11 Nov. 2011 / Old Swiss Inn, Somerset Olympia Hotel, Makati City
Participants	8-9 Nov. 2011: government = 33 (including PAO assessors and accreditation officers; industry = 5; academe = 3  10-11 Nov. 2011: government = 9; industry = 30; academe = 1
Resource-person	Dr. Edzard Ruehe, Measurement of Uncertainty Expert
Expected Outcome	Government and private sector assessors are equipped in providing testing services with reliable quantitative of results.
Objective	Building on the fundamental knowledge of participants on probability, to improve analytical skills of the assessors on quantifying the doubt about the measurement results and cultivate enabling skills to correct known errors whenever applied with calibration certificates or similar documentation and to report measurement of uncertainty.  To determine the competency gaps of assessors from both the government and private sectors.
Methodology	Lecture Workshop Exercises (coverage including Expressions and Rounding) Demonstration (Titration and AAS)