

UNCERTAINTY WORKSHOP

Topic of workshop: Estimation of Measurement Uncertainties for laboratories as required by ISO/IEC 17025

Date: 15th and 16th September, 2011

Department : Metrology Division

The Trinidad and Tobago Bureau of Standards in collaboration with the CARICOM Regional Organisation for Standards and Quality (CROSQ) invites Quality Managers and professionals, Staff of Calibration, Testing, Research, Reference and Medical Laboratories and to a two day workshop entitled **Estimation of Measurement uncertainties for laboratories as ISO/IEC 17025**. The main objective is to guide participants through the process of verifying the accuracy and precision of measurements in the lab to satisfy the requirements of the ISO/ IEC 17025 standard. This workshop will be beneficial to those laboratories interested in improving their quality testing or preparing for accreditation.

Issues to be addressed

- Methods of Uncertainty Assessment
- Identifying Uncertainty contributors
- Preparation of Uncertainty Budget
- Measurand equations, Type A and B Uncertainties
- Propagation of Uncertainties
- General Examples of Uncertainty Budgets and Linear Regression example
- Discussion on reporting compliance to a specification
- Group exercises and practice exercises on calculating measurement Uncertainty
- Evaluation of inputs

Target Group

- Persons involved in Laboratory (Calibration, Testing ,Research and Medical Laboratories)
- Quality Managers and Quality Professionals
- Laboratory Supervisors
- Technicians and Metrologist
- Academia
- Standards Officers (for the internal ad only)

PLEASE REGISTER EARLY. LIMITED SEATS AVAILABLE

DATE: 15th and 16th September, 2011

TIME: 8.30 am – 4.30 pm

VENUE: TTBS Auditorium

COST: TT\$1150.00/day (Vat inclusive)

SECRETARIAT: Telephone 868-662-8827 / 4481-2

Fax: 868-663-4335

Ann-Marie Byer (Ext 120)

Gina Teemul-Tash (Ext 156)

A FREE Pre-tutorial session will be held on Friday 9th September, at the PQSL (Auditorium) from 8.30 am to 12.00 pm.

Topics to be addressed include

- § Introduction to Uncertainty
- § Importance and Application