

MET/CAL Procedure Writing, Database & Reports

A 5-day in-depth course on how to use MET/CAL software effectively in your automated calibration application

Fluke South East Asia Pte Ltd and Ngee Ann Polytechnic, Singapore are pleased to organize a 5-day course – TRC 2007: MET/CAL Procedure Writing, Database & Reports

Description

In this 5-day course, you will learn to use MET/CAL software effectively in your automated calibration application. Attendees will configure MET/CAL software to establish and maintain traceability, create and edit calibration procedures, and customize the database, calibration reports and certificates. The attendees will spend time in hands-on development of MET/CAL procedures and reports.

Pre-Requisite

Attendees are expected to know how to operate with Microsoft Windows 98/2000 or XP operating system and are advised to have some hands-on experience with MET/CAL software prior to the training.

Who Should Attend?

This workshop is ideal for calibration professionals who use MET/CAL calibration software.

You should be experienced in the day-to-day operations of a calibration laboratory and have an understanding of electronic instrument calibration theory and practical application.

A working knowledge of your company's policy and practices in calibration is beneficial.



Course Information

Training Date: 13 – 17 April 2009
12 – 16 October 2009
(9:00am – 5:00pm)

Course duration: 5 days

Trainer: Mr. Vinnie Chan
Ms. Chee Oi Choo
Ngee Ann Polytechnic Lecturers

Location: Ngee Ann Polytechnic
Calibration Training Lab
Electrical Engineering Dept
Block No.: 23
Room No.: 02-03 (Level 2)
535 Clementi Road
Singapore 599489

Course Fee: Pls refer to your local Fluke Representative for course fee.

Certificate: This course has been approved for 35 PDU units under the Professional Engineer Board (PEB) Continuing Professional Development program.

A certificate of training will be issued upon successful completion of the course.

Registration: Ms. Stephanie Quek
Fluke South East Asia Pte Ltd
60 Alexandra Terrace #03-16
The Comtech (Lobby D)
Singapore 118502
Email: Stephanie.Quek@Fluke.com
Phone: (65) 6799-5204
Fax: (65) 6799-5577

The course is limited to 6-10 trainees per class. For more information, please call us or log on to our website at www.fluke.com.sg.

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Course Outline

MET/CAL Procedure

- MET/CAL V7 Introduction
- MET/CAL V7 setup and configuration
- Asset Management
- Configuration, operation, customization, adding standards, running procedures
- Procedure writing: Editor fundamentals, writing new procedures, editing existing procedures.
- Procedure writing, types of FSC, procedure control FSC, maths FSC, compiling, debugging, naming procedure, flags, insert pictures, warning.
- Runtime Operation: Semi-Auto Calibration, Close Loop Calibration, Meter Calibration, Oscilloscope Calibration
- Utilities programs: AutoPro II, QuickSort

Measurement Uncertainty

- Overview of ISO 17025 & Measurement Uncertainty Calculation
- Measurement Uncertainty Calculation on MET/CAL V7

Database Management

- Database basic (SQL, Field, Record, link, tables, index, key etc)
- Introduction to MET/TRACK Database (inventory, location, calibration, calresults, repair)
- SQL data engine, networks and standalone operation, database setup & customization, manual entry & query.
- Utilities program: Quick Report

Calibration Report

- Crystal Report basic, installation
- Using Crystal reports
- Report designer (Menu bar, toolbars, cursors, tab etc)
- Report designer control (toggle gridlines, zoom, add delete guidelines etc)
- Creating a report (add delete move and merge sections, insert database field, special fields, page n of N, text object, picture, header, footer, title page, preview)
- Using Formulas
- Reports : Assets due for Calibration, Turn around Time Report, Calibration Due by Department, by Technician, Reverse Traceability, Barcode Work Order Report
- Run time reports
- Modifying reports, customizing reports and certificates