



Traceability on Measurement and Calibration of Instruments

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The Dubai accreditation Department (DAC) requires that all measurements necessary for the conduct of calibration, testing and inspection activities be traceable (where the concept is applicable) to national and international standards of measurements. This requirement applies to any reference standards and measurements equipment that significantly affect the results of the calibration, test, or inspection activities. In order to achieve this, it is required that accredited and applicant conformity assessment bodies shall implement the following guidelines:

1. For equipment to be calibrated internally:

- 1.1 Calibration shall be conducted in accordance with documented calibration procedures approved by the laboratory management;
- 1.2 Calibration procedures and the related records shall be adequate in terms of information, parameters, precision, acceptable level of uncertainty, suitable for the test to be accredited.
- 1.3 Reference equipment and/or standard reference material used are traceable to national or international standards through a valid calibration certificate issued by one of the laboratories mentioned in clause 2 below,
- 1.4 Laboratory staff involved is qualified to conduct calibration and appropriate training programs and training records are available.

2. For equipment that needs external calibration:

- 2.1 Conformity Assessment Bodies' measuring equipments shall be calibrated by:
 - 2.1.1 DCLD Calibration Laboratory,
 - 2.1.2 DAC Accredited calibration laboratories
 - 2.1.3 A calibration laboratory accredited by an Accreditation Body recognized by DAC.
 - 2.1.4 A National Calibration and Metrology laboratory having its reference standards traceable to International Standards of Measurements.
 - 2.1.5 The equipment manufacturer, provided that no calibration laboratory mentioned above is capable of providing the necessary calibration services.