

Specification of Competency Standards
for the Testing, Inspection and Certification Industry
Unit of Competency

Functional Area - Testing Operations

Title	Perform construction site measurements
Code	105844L3
Range	This unit of competency (UoC) covers the abilities to carry out site measurements at construction sites and record measurement data accurately.
Level	3
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Prepare for site measurement</p> <ul style="list-style-type: none"> • Confirm the purpose, priority and nature of measurements required. • Identify sampling and testing locations, and parameters to be measured on site according to customer's requirements. • Apply the concepts of metrology and units of measurements. • Identify the specification requirements of site measurements. • Describe the procedures for site measurement. • Describe the principles and operation of equipment used for site measurements, e.g. tapes, steel ruler, level, coating thickness gauges, vibrograph, sound level meter. • Specify the calibration requirement of equipment. <p>2. Perform site measurements</p> <ul style="list-style-type: none"> • Locate measurement points and services at the site. • Apply appropriate methods/procedures and measuring equipment for site measurements. • Carry out site measurements according to selected methods/procedures. • Carry out required calibration checks on measurement equipment. • Record measurement data with appropriate accuracy, precision and units. • Record construction site conditions and any other observations that may impact on data quality. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure integrity and confidentiality of measurement data by observing the relevant code of conduct. • Follow established safe work practices and use appropriate personal protective equipment at testing sites.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • carry out required measurements at construction sites by applying appropriate measuring equipment in accordance with the methods/procedures, • record measurement data and site conditions accurately by verifying equipment calibration status.
Remark	