

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

Functional Area - Testing Operations

Title	Formulate calibration programme for reference standards
Code	105881L5
Range	This unit of competency (UoC) covers the abilities to formulate a programme for the calibration of reference standards by critically evaluating the requirements of reference standards for intended used in a testing / calibration laboratory.
Level	5
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Possess knowledge of reference standards and their calibration requirements <ul style="list-style-type: none"> • Explain the importance of using reference standards for traceability purpose in a testing / calibration laboratory. • Evaluate calibration requirements for reference standards. • Interpret requirements of measurement traceability in relevant international standards. 2. Formulate calibration programme and procedures for reference standards <ul style="list-style-type: none"> • Critically evaluate the scope and requirements of the calibration programme. • Determine reference standards to be calibrated and prepare the inventory list. • Develop detailed calibration programme including calibration schedules, calibration methods and procedures, interpreting and reporting calibration results, procedures and schedules for conducting intermediate checks. • Establish the acceptance criteria for the calibration of reference standards fit for intended use in the measurement process. • Explain the importance of calibration of reference standards and allocate roles and responsibilities of the personnel. • Establish the re-calibration interval for reference standards. 3. Exhibit professionalism <ul style="list-style-type: none"> • Ensure the calibration programme is implemented and monitored effectively. • Ensure the measurement traceability is effectively maintained.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • formulate calibration programme for reference standards by critically evaluating the scope and requirements of reference standards, • establish procedures to implement the calibration programme for reference standards to be used in the laboratory.
Remark	