

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

Functional Area - Testing Operations

Title	Perform equipment maintenance and performance checks
Code	105894L4
Range	This unit of competency (UoC) covers the abilities to carry out maintenance work and performance checks of equipment used in laboratory / on-site testing activities impartially by applying appropriate procedures and techniques.
Level	4
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of equipment maintenance and performance check techniques</p> <ul style="list-style-type: none"> <li>• Employ the operating principles of major equipment.</li> <li>• Apply the principles of equipment performance check.</li> <li>• Describe maintenance procedures for the major equipment.</li> <li>• Describe the performance check methods for major equipment.</li> <li>• Describe the principles and operation of setting up equipment used for performance checks and maintenance.</li> </ul> <p>2. Perform maintenance and performance checks of equipment</p> <ul style="list-style-type: none"> <li>• Apply appropriate methods, set up the required conditions and accessories for performance or intermediate checks of equipment.</li> <li>• Use suitable equipment, test chamber and test control site, whichever applicable for equipment performance checks.</li> <li>• Set up appropriate environmental conditions for the equipment under check.</li> <li>• Carry out performance checks according to the established procedures.</li> <li>• Identify faulty outcomes of the equipment.</li> <li>• Carry out basic maintenance work for faulty equipment in accordance with standard operating procedures and equipment operating manual.</li> <li>• Record and document equipment performance check results and maintenance work.</li> </ul> <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Ensure all equipment performance checks and maintenance work are carried out in accordance with good laboratory practices.</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> <li>• carry out performance checks on equipment impartially by applying appropriate procedures and techniques,</li> <li>• identify faulty equipment by analysing performance check results,</li> <li>• carry out equipment maintenance in accordance with standard operating procedures.</li> </ul>
Remark	