

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

Functional Area - Testing Operations

Title	Follow laboratory electrical safety rules
Code	105830L3
Range	This unit of competency (UoC) covers the ability to observe electrical safety rules when working in the electrical testing laboratory. Practitioners should be able to identify potential electrical related hazards and implement preventive measures so as to protect themselves and other people during daily operation.
Level	3
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of laboratory electrical safety</p> <ul style="list-style-type: none"> • Identify the potential hazards of working in the electrical testing laboratory, e.g. electric shock and energy hazards, thermal, radiation, mechanical, fire, corrosive hazards. • Identify the hazards in relation to different types of electrical measurements and equipment. • Describe the types, utilisation, maintenance and limitations of personal protective equipment for electrical hazards, e.g. eye protector, safety shoes, insulating gloves, protective guard, helmet and ear plug. • Describe the safety procedures, including the use of general protective equipment, for working in the electrical testing laboratory. • Describe general first aid measures, etc. in case of accidents occurred in the electrical testing laboratory. • Specify the legal regulations and requirements on observing electrical safety rules. <p>2. Follow laboratory electrical safety rules</p> <ul style="list-style-type: none"> • Use appropriate personal protective equipment correctly by following systematic safety procedures for the best protection. • Maintain personal protective equipment properly according to safety guidelines and procedures. • Apply protective equipment to conduct electrical and flammability measurements according to safety procedures and relevant legal regulations. • Report and record incident and emergency situations according to standard operating procedures. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure safety rules and legal regulations and/or requirements are followed and observed to protect the people working in laboratories.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • identify potential hazards related to electrical tests and measurements, • follow safety rules and procedures to work safely in the electrical testing laboratory, • apply appropriate personal protective equipment when conducting electrical and electronic product testing to ensure the safety of oneself and other people.
Remark	