

1. Title	Understand commonly used electricity regulations and international standards, and basic techniques of inspection, testing and commissioning
2. Code	EMELIT103A
3. Range	Apply commonly used electricity regulations, international standards, basic requirements for general electrical wiring and understand basic techniques of inspection, testing and commissioning applicable to mechanical and electrical work in general.
4. Level	1
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand electricity regulations in Hong Kong and international standards commonly used</p> <ul style="list-style-type: none"> ◆ Understand the spirit and details of electricity regulations and codes of practice such as: <ul style="list-style-type: none"> • Electricity Ordinance of Hong Kong • Electricity (Registration) Regulations • Electricity (Wiring) Regulations and their code of practice • Electrical Products (Safety) Regulations • Electricity Supply Lines (Protection) Regulation • Basic legal requirements for additions, modifications, maintenance and repair of electrical installations such as WR1 and WR2 ◆ Understand other regulations related to electrical installations commonly used in Hong Kong such as: <ul style="list-style-type: none"> • The Supply Rules of electricity companies • Factories and Industrial Undertakings (Electricity) Regulations of the Labour Department ◆ Understand the names and access of common global standards related to electrical installations such as: <ul style="list-style-type: none"> • International Electric Community (IEC) • Chinese National Standard • British Standards (BS) <p>6.2 Understand basic techniques of inspection, testing and commissioning for electrical installations</p> <ul style="list-style-type: none"> ◆ Understand basic techniques of inspection, testing and commissioning for electrical installations such as: <ul style="list-style-type: none"> • Visual inspection • Phase conductor continuity test • Circuit protective conductor continuity test • Insulation resistance test • Polarity test ◆ Apply the electricity ordinance, commonly used international standards and the basic requirements for general electrical wiring to perform inspection, testing and commissioning routines related to electrical and mechanical works under instruction

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: <ul style="list-style-type: none">(i) Capable to understand basic techniques of inspection, testing and commissioning for electrical installations according to relevant requirements of electricity regulations of Hong Kong and common regulations; and(ii) Capable to apply the electricity ordinance, commonly used international standards and the basic requirements for general electrical wiring to perform inspection, testing and commissioning routines related to electrical and mechanical works under instruction.
8. Remarks	