

1. Title	Formulate instructions on inspection, testing and commissioning of switchboard, control circuit, protector and electricity quality improvement device
2. Code	EMCUIT502A
3. Range	Formulate instructions on inspection, testing and commissioning of switchboard, control circuit, protector and electricity quality upgrading device so that engineering personnel who involve in such work could commission the installations and improve the devices according to the instructions.
4. Level	5
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Installation requirements and standards for electrical works</p> <ul style="list-style-type: none"> ◆ Understand clearly requirements and standards for all installations of electrical works, including switchboard, control circuit and protector <p>6.2 Formulate requirements and standards for inspection staff to follow</p> <ul style="list-style-type: none"> ◆ Formulate requirements and standards according to installation requirements and the overall electrical works system for inspection staff to carry out inspection, testing and commissioning of all installations, including live test ◆ Formulate testing and commissioning instructions and standards for electricity quality improvement devices including filter power factor improvement device ◆ Know clearly the potential hazards for commissioning staff and formulate relevant safety instructions to protect their work safety
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to formulate instructions and standards on various equipment of the electrical works system for the inspection staff to carry out inspection, testing and commissioning; and to ensure their safety by listing out the safety instructions and potential hazards.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of electricity.