

1. Title	Find out general faults in various types of low voltage electrical installations
2. Code	EMELOR209A
3. Range	Applicable in worksites with low voltage electrical installations. Use various types of basic fault finding methods to find out general faults in low voltage electrical installations.
4. Level	2
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and operating principles of general electrical installations</p> <ul style="list-style-type: none"> ◆ Understand the structure and operating principles of general electrical installations, including: <ul style="list-style-type: none"> • Structure and operating principles of simple electrical installations • Operating principles of simple power supply circuits <p>6.2 Find out faults in low voltage electrical installations</p> <ul style="list-style-type: none"> ◆ Through observation, such as by means of visual, smell and hearing, examine the fault of electrical equipment and make preliminary judgement ◆ Use instrument testing method to find faults <ul style="list-style-type: none"> • Use various types of simple instruments to measure and evaluate the operation or fault conditions for electrical installations and equipment • Use various types of simple instruments for tracking measurement according to circuit diagrams in order to detect the faults
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to find out the faults in low voltage electrical installations, equipment or circuits correctly through observation or using the methods of tracking measurement.</p>
8. Remarks	