

1. Title	Repair low voltage power systems fed by a single transformer
2. Code	EMELOR307A
3. Range	Repair and maintain low voltage power systems fed by a single transformer and their devices at switch rooms and similar locations.
4. Level	3
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Master the procedures and techniques of repairing and maintaining low voltage power systems and their devices</p> <ul style="list-style-type: none"> ◆ Master different operating and fault conditions for low voltage power systems fed by a single transformer ◆ Master the procedures and techniques of repairing and maintaining low voltage electrical installations <p>6.2 Implement repair and maintenance of low voltage electrical installations</p> <ul style="list-style-type: none"> ◆ Repair and maintain low voltage power systems fed by a single transformer and their devices, including power distribution switches, cables, electric motors, capacitors, generators, protection device, protection and control circuits,etc. according to manufacturer’s maintenance and repair manuals and relevant codes of practice <p>6.3 Professionalism in repairing low voltage power systems</p> <ul style="list-style-type: none"> ◆ Follow the regulations and safety guidelines for the industry to ensure that the repair and maintenance of low voltage power systems and their devices are carried out safely
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to understand different operating and fault conditions for low voltage power systems and their devices; and</p> <p>(ii) Capable to carry out the repair and maintenance of low voltage power systems and their devices effectively according to the safety guidelines on repair and maintenance.</p>
8. Remarks	