

1. Title	Repair faults in generator and its accessories
2. Code	EMCUOR307A
3. Range	Repair the faults in generator and its accessories at servicing stations or external sites.
4. Level	3
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and working principles of generator and its accessories      ♦ Understand the structure and working principles of generator and its accessories</p> <p>6.2 Find and repair faults in generator and its accessories      ♦ Repair the fault in a generator</p> <ul style="list-style-type: none"> <li>• Check the following generator components and accessories to find out the root of fault according to the signs of fault and based on the understanding of the working principles of generator: <ul style="list-style-type: none"> <li>▸ All magnetic coils in the generator</li> <li>▸ Magnetic circuit and equipment</li> <li>▸ Overspeed mechanical protector</li> <li>▸ Auxiliary generator</li> <li>▸ Battery unit</li> </ul> </li> <li>• Repair the fault after finding out the fault equipment or component</li> </ul> <p>6.3 Professionalism in repairing generator and its accessories      ♦ Repair the generator and its accessories according to the safety regulations and code of practice</p> <ul style="list-style-type: none"> <li>♦ Write a simple repair report according to the damage of the generator and its accessories</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to find out the faults in generator and its accessories within a reasonable period of time according to the symptoms of fault;</p> <p>(ii) Capable to handle and eliminate the fault in generator and its accessories effectively; and</p> <p>(iii) Capable to write simple repair reports.</p>
8. Remarks	This unit of competency is suitable for training electrical and mechanical engineering personnel involving in the work of generators. The credit value of this unit of competency is set on the presumption that the person already possesses basic competency of repairing generator and its accessories.