1. Title	Service control, protection and indicator of generators
2. Code	EMCUMA206A
3. Range	Use typical servicing and inspection instruments and tools to repair, maintain and set control, protection and indicator of single-phase or three-phase AC and DC generators at servicing workshops or locations with generators according to servicing instructions and standards.
4. Level	2
5. Credit	4
6. Competency	<u>Performance Requirements</u> 6.1 Working principles of control, protection and indicator of generators ♦ Understand the working principles of control, protection and indicator of single-phase or three-phase AC and DC generators, including: • Output voltage control • Load regulator • Speed regulator ♦ Understand the working principles of control, protection and indicator of generators, including: • Output voltage protection • Short circuit protection • Leakage protection • Unbalanced load protection • Overspeed protection • Output voltage, current and frequency indication • Other relevant output data indication 6.2 Methods and procedures of servicing control, protection and indicator of generators ♦ Capable to service control, protection and indicator of single-phase or three-phase AC and DC generators effectively, including checking, cleaning, measurement, maintenance and commissioning, according to servicing instructions and standards ♦ Capable to test and set control, protection and indicator of generators according to standards ♦ Capable to use typical servicing and inspection instruments and tools effectively 6.3 Professionalism in repairing and maintaining control, protection and indicator of generators ♦ Capable to perform general repair and maintenance of control, protection and indicator of generators according to servicing instructions and standards ♦ Understand the legal requirements on work safety and the code of practice when performing repair and maintenance of control, protection and indicator of generators

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to check, maintain and set control, protection and indicator of three-phase generator effectively and correctly according to servicing standards; and (ii) Capable to commission and set various control, protection and indicator effectively.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of servicing electrical equipment.