1. Title	Repair control and starter circuits of general low voltage motors
2. Code	EMELOR210A
3. Range	Repair power control components and starter circuits of electric motor equipment like general low voltage electric motors or small generators at installation or repairing sites.
4. Level	2
5. Credit	6
6. Competency	Performance Requirements 6.1 Types, functions, construction and working principles of power control components of general electric motor equipment ♦ Use Ohm's law to calculate simple DC and AC circuits ♦ Understand how to connect single-phase power systems and three-phase power systems ♦ Understand the types, functions, construction and working principles of overload protectors, electromagnetic contactors and time relays 6.2 Methods and procedures of repairing and maintaining power control components and starter circuits of general electric motor equipment ♦ Repair and maintain overload protectors, electromagnetic contactors and time relays ♦ Repair and maintain self-holding (self-locking) circuits, interlock control circuits and sequence starter circuits ♦ Perform basic function tests for general motor control and starter circuits 6.3 Professionalism in repairing and maintaining power control components and starter circuits of general electric motor equipment ♦ Follow the Code of Practice for the Electricity (Wiring) Regulations to repair and maintain power control components and starter circuits of general electric motor equipment safely
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to repair and maintain power control and protection components and starter circuits of general electric motor equipment according to drawings; and (ii) Capable to follow relevant codes of practice when performing electrical work.
8. Remarks	