1. Title	Repair and rewind single-phase motors
2. Code	EMELIN201A
3. Range	Repair and rewind single-phase motors at electric motor repair workshops.
4. Level	2
5. Credit	6
6. Competency	6.1 Knowledge of single-phase motors Understand the construction, types, working principles and scope of application of single-phase motors, including: Split-phase induction motor Split-phase capacitance motor Shaded-pole motor Repulsion motor Understand the winding design of single-phase motor, including number of slots for each pole, number of winds, method of winding connection, etc. Understand guidelines on repairing and rewinding single-phase motors
	 6.2 Examine, repair and rewind single-phase motors 6.2 Examine, repair and rewind single-phase motors Short circuit fault open circuit fault open circuit fault earth fault wrong wiring bearing fault Dismantle and assemble single-phase motors, know the causes of faults and repair them according to procedures Rewind single-phase motors according to working guidelines Hand wind and wind with wood former for single-phase motors Rewind single-phase motors, including: Dismantling electric motors and recording original winding information Making wood formers for winding

	 Winding, coils setting, connecting north and south pole of coils Winding, wrapping and tappings Re-assembling Inspecting and testing
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is:(i) Capable to repair and rewind single-phase motors according to working guidelines.
8. Remarks	