1. Title	Perform basic repair of electric motors for air-conditioning and refrigeration	
2. Code	EMACOR204A	
3. Range	Inspect, test and repair typical faults of electric motors for air-conditioning and refrigeration at servicing stations under a certain degree of instruction.	
4. Level	2	
5. Credit	3	
6. Competency		Performance Requirements
	6.1 Construction and working principles of typical air-conditioning and refrigeration motors	♦ Understand the working principles of typical electric motors for air-conditioning and refrigeration ♦ Understand the construction and applications of typical electric motors for air-conditioning and refrigeration ♦ Understand the working principles of starter relays of typical electric motors for air-conditioning and refrigeration
	6.2 Methods and procedures of inspecting, testing and repairing simple faults of typical electric motors for air-conditioning and refrigeration	♦ Wire up starter relay circuits for single-phase motors ♦ Wire up typical single-phase electric motors for air-conditioning and refrigeration to the power supply ♦ Use typical instruments to inspect, test and repair typical faults of electric motors for air-conditioning and refrigeration ♦ Perform routine maintenance and repair for typical electric motors for air-conditioning and refrigeration
	6.3 Professionalism in basic repair of electric motors for air-conditioning and refrigeration	♦ Follow the code of practice under the Electricity (Wiring) Regulations to inspect, test and repair electric motors for air-conditioning and refrigeration safely
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to inspect, test and repair simple faults of electric motors for air-conditioning and refrigeration; and (ii) Capable to follow relevant code of practice when inspecting, testing and repairing electric motors for air-conditioning and refrigeration.	
8. Remarks	This unit of competency is applicable to practitioners engaged in general installation and repair of electrical control systems for air-conditioning and refrigeration.	