1. Title	Repair and rewind three-phase motors
2. Code	EMCUIN304A
3. Range	Understand the construction and types of three-phase motors, and repair and rewind them in servicing stations or work sites.
4. Level	3
5. Credits	9
6. Competency	Performance Requirements
	6.1 Structure, type, working principles and examination method of three-phase motor ◆ Understand the structure, types, working principles and range of application of three-phase motor, including: • General induction motor • Multipolar three-phase motor • Two-speed three-phase motor • Understand the winding design of three-phase motor, including number of slots for each pole, number of winds, method of winding connection, etc. • Understand the methods to examine the faults of three-phase motor, including: • testing of short circuit • testing of earth fault • testing of earth fault • testing of bearing fault • Methods of dismantling and assembling three-phase motor • Methods of replacing bearing 6.2 Repair three-phase motor • Identify the faults of a three-phase motor and repair them according to procedures
7. Assessment City is	Rewind a three-phase motor
7. Assessment Criteria	
	 (i) Capable to understand the structure, types and working principles of three-phase motor; (ii) Capable to identify the faults of a three-phase motor and repair them according to procedures; and
	(iii) Capable to rewind a three-phase motor.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic electrical and mechanical knowledge.