

1. Title	Basic maintenance and repair of fire service power supply and control equipment
2. Code	EMFSOR204A
3. Range	Perform basic maintenance and repair of fire service power supply and control equipment, under supervision, at repair workshops or work sites according to repair instructions. This unit of competency does not include the competency of maintaining and repairing the electrical installations of fire detection and alarm systems.
4. Level	2
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction and basic principles of fire service power supply and control equipment</p> <ul style="list-style-type: none"> ◆ Understand the types, applications, construction and basic principles of fire service power supply and control equipment, including: <ul style="list-style-type: none"> • AC/DC power distribution system • Electrical control circuit and control panel • Electrical protection device • Fire-resistant cable (including copper-sheathed cable) <p>6.2 Basic repair and maintenance of fire service power supply and control equipment</p> <ul style="list-style-type: none"> ◆ Master the procedures and methods of basic maintenance and repair of fire service power supply and control equipment, including the procedures of regular inspection, cleaning, installation, removal, replacement, simple repair and testing ◆ Examine the damage condition of accessories such as distribution board, wire, conduit, switchgear, control panel, pump motor starter, relay and indicator light under supervision and according to repair instructions ◆ Repair or replace damaged accessories under instruction ◆ Know how to use basic workshop equipment and tools for class 2 fire service electrical installation contractors ◆ Use basic testing equipment (e.g. multi-meter, insulation tester, etc.) to assist in conducting functional tests after repair
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to complete the task of repairing and maintaining fire service power supply and control equipment effectively under supervision.
8. Remarks	This unit of competency is applicable to practitioners of basic repair and maintenance of fire service power supply and control equipment.