

1. Title	Perform basic installation tasks for fire service power supply and control equipment
2. Code	EMFSIN204A
3. Range	Perform basic installation tasks for fire service power supply and control equipment at workshops or fire equipment installation points under instruction. This unit of competency does not include the competency of installing 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 Functions and basic installation knowledge of fire service power supply and control equipment</p> <ul style="list-style-type: none"> ◆ Understand the construction and functions of general fire service power supply and control equipment such as: <ul style="list-style-type: none"> • AC/DC electrical power distribution system • Electrical control circuit and control panel • Electrical protection device • Fire-resistant cable (including copper-sheathed cable) ◆ Capable to read simple installation drawings of fire service power supply and control equipment ◆ Understand basic installation requirements and specifications of such equipment <p>6.2 Perform basic installation tasks for fire service power supply and control equipment</p> <ul style="list-style-type: none"> ◆ Master basic installation procedures and methods for fire service power supply and control equipment, including the procedures of material checking, cleaning, assembly, adjustment and simple testing ◆ Prepare auxiliary materials and tools for installing fire service power supply and control equipment ◆ Install and set distribution board, wire, conduit, switchgear, control panel, pump motor starter, relay and indicator light, etc. at suitable locations under instruction ◆ Use basic workshop equipment and tools for class 2 fire service electrical installation contractors, e.g. threading tools (for conduits), electric drill, bench fitting tools and multi-meter ◆ Use basic testing tools to assist the performance of functional tests after installation
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to complete basic installation of fire service power supply and control equipment systematically and efficiently under instruction.</p>
8. Remarks	This unit of competency is applicable to practitioners who are engaged in the installation of fire service power supply and control equipment.