

1. Title	Basic repair and maintenance of water-based fire service mechanical installations
2. Code	EMFSOR201A
3. Range	Perform basic repair and maintenance of water-based fire service mechanical installations, under instruction, at repair workshops or work sites according to repair instructions.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction and basic principles of water-based fire service mechanical installations</p> <ul style="list-style-type: none"> ◆ Understand the types, applications, construction and basic principles of general water-based fire service mechanical installations, including: <ul style="list-style-type: none"> • sprinkler system • Fire hydrant/hose reel system • Drencher system • Deluge system • Water spray system <p>6.2 Basic repair and maintenance of water-based fire service mechanical installations</p> <ul style="list-style-type: none"> ◆ Master the procedures and methods of basic maintenance and repair of fixed water-based fire service mechanical installations, including the procedures of regular inspection, cleaning, installation, removal, replacement, simple repair and testing ◆ Examine the damage condition of accessories such as water tanks, pipes, pumps, switches, fire hydrants, fire service inlets under certain degree of instruction 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 mechanical installation contractors ◆ Use basic testing equipment to assist in conducting functional tests after repair
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to complete the task of repairing and maintaining water-based fire service mechanical installations effectively under instruction.</p>
8. Remarks	This unit of competency is applicable to general practitioners of water-based fire-fighting mechanism repair and maintenance.