

1. Title	Perform basic installation tasks for water-based fire service mechanical installations
2. Code	EMFSIN201A
3. Range	Perform basic installation tasks for water-based fire service mechanical installations at workshops or fire equipment installation points under supervision in predictable and structured working environments.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Functions and basic installation knowledge of water-based fire service mechanical installations</p> <ul style="list-style-type: none"> <li>◆ Understand the construction and functions of general water-based fire service mechanical installations such as: <ul style="list-style-type: none"> <li>• Sprinkler system</li> <li>• Fire hydrant/hose reel system</li> <li>• Drencher system</li> <li>• Deluge system</li> <li>• Water spray system</li> </ul> </li> <li>◆ Capable to read simple installation drawings of water-based fire service mechanical installations</li> <li>◆ Understand basic installation requirements and specifications of such equipment</li> </ul> <p>6.2 Perform basic installation tasks for water-based fire service mechanical installations</p> <ul style="list-style-type: none"> <li>◆ Master basic installation procedures and methods for water-based fire service mechanical installations, including the procedures of material checking, cleaning, assembly, adjustment and simple testing</li> <li>◆ Prepare auxiliary materials and tools for installing water-based fire service mechanical installations</li> <li>◆ Install and set fire pipes, pumps, switches, hose reels, fire hydrants, fire service inlets, etc. at suitable locations under supervision in predictable and structured working environments</li> <li>◆ Use basic workshop equipment and tools for class 2 fire service mechanical installation contractors, e.g. threading machine, electric drill, bench fitting tools and welding machine etc.</li> <li>◆ Use basic testing tools to assist the performance of functional tests after installation</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to complete basic installation of water-based fire service mechanical installations effectively under supervision in predictable and structured working environments.</p>
8. Remarks	This unit of competency is applicable to practitioners who are engaged in the installation of water-based fire service mechanical installations.