

1. Title	Maintain and repair mechanical installations of fountain and landscape irrigation systems
2. Code	EMPDOR405A
3. Range	Carry out maintenance and repair of mechanical installations of fountain and landscape irrigation systems at repair workshops or work sites according to repair instructions and specifications.
4. Level	4
5. Credits	5
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction and operating principles of mechanical installations of fountain and landscape irrigation systems</p> <ul style="list-style-type: none"> ◆ Understand the construction, functions and operating principles of various types of mechanical installations of fountain and landscape irrigation systems <p>6.2 Methods and procedures of maintaining and repairing mechanical installations of fountain and landscape irrigation systems</p> <ul style="list-style-type: none"> ◆ Master the procedures and methods of maintaining and repairing various types of fountain and landscape irrigation systems and installations, including the procedures of inspection, cleaning, installation, removal, replacement, repair and testing ◆ Assess the damage condition of accessories such as water tanks and pipes ◆ Diagnose the problems and repair or replace damaged accessories ◆ Use general pipe fitting tools such as threading machine and pipe-bending machine ◆ Use general workshop equipment and tools effectively ◆ Use appropriate testing equipment to conduct functional tests independently after repair <p>6.3 Professionalism in maintaining and repairing mechanical installations of fountain and landscape irrigation systems</p> <ul style="list-style-type: none"> ◆ Carry out maintenance and repair of mechanical installations of fountain and landscape irrigation systems independently according to repair instructions and specifications ◆ Understand the safety guidelines required by the law and codes of practice in maintaining and repairing mechanical installations of fountain and landscape irrigation systems
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to maintain and repair various types of mechanical installations of fountain and landscape irrigation systems efficiently and correctly.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses knowledge and skill in maintaining and repairing plumbing mechanical installations.