

1. Title	Maintain and repair mechanical installations of swimming pool systems
2. Code	EMPDOR402A
3. Range	Carry out maintenance and repair of mechanical installations of swimming pool systems effectively at repair workshops or work sites by assessing the damage condition of swimming pool systems, analyzing the problems and repairing or replacing damaged parts.
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 swimming pool systems</p> <ul style="list-style-type: none"> ◆ Understand the construction, functions and operating principles of various types of mechanical installations of swimming pool systems <p>6.2 Methods and procedures of maintaining and repairing mechanical installations of swimming pool systems</p> <ul style="list-style-type: none"> ◆ Master the procedures and methods of maintaining and repairing various types of swimming pool and filtration and sterilisation systems, 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 appropriate testing equipment to conduct functional tests independently after repair <p>6.3 Professionalism in maintaining and repairing mechanical installations of swimming pool systems</p> <ul style="list-style-type: none"> ◆ Carry out maintenance and repair of mechanical installations of swimming pool 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 swimming pool systems
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to assess the damage condition of swimming pool systems, diagnose the problems and repair or replace damaged accessories; and</p> <p>(ii) Capable to maintain and repair various types of mechanical installations of swimming pool 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.