

1. Title	Basic repair and maintenance of power supply and control equipment of water supply systems
2. Code	EMPDOR203A
3. Range	Perform basic repair and maintenance of power supply and control equipment of water supply systems at repair workshops or work sites according to repair instructions.
4. Level	2
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction and basic principles of power supply and control equipment of water supply systems</p> <ul style="list-style-type: none"> <li>◆ Understand the types, applications, construction and basic principles of power supply and control equipment of general water supply systems, including: <ul style="list-style-type: none"> <li>• Indirect water supply systems (including fresh water and flush water)</li> <li>• Pressurized water supply system</li> <li>• Variable speed water pump water supply system</li> </ul> </li> </ul> <p>6.2 Basic methods and procedures of repairing and maintaining power supply and control equipment of water supply systems</p> <ul style="list-style-type: none"> <li>◆ Know the basic procedures and methods of repairing and maintaining power supply and control equipment of water supply systems, including the procedures of regular inspection, cleaning, installation, removal, replacement, simple repair and testing</li> <li>◆ Examine the damage condition of accessories such as distribution board, wire, conduit, switchgear, control panel, pump motor starter, relay and indicator light according to repair instructions</li> <li>◆ Repair or replace damaged accessories under instruction</li> <li>◆ Use general workshop and worksite equipment and tools correctly</li> <li>◆ Use basic testing equipment such as multi-meter and insulation tester to conduct functional tests after repair</li> </ul> <p>6.3 Handling of basic repair and maintenance of power supply and control equipment of water supply systems</p> <ul style="list-style-type: none"> <li>◆ Perform basic repair and maintenance of power supply and control equipment of water supply systems according to installation instructions</li> <li>◆ Understand the safety guidelines as required by the law and the code of practice in undertaking basic repair and maintenance of power supply and control equipment of water supply systems</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to perform the tasks of repairing and maintaining power supply and control equipment of general water supply systems under instruction.</p>
8. Remarks	This unit of competency is applicable to practitioners engaged in repairing and maintaining power supply and control equipment of water supply systems.