

1. Title	Perform basic installation of mechanical equipment of water supply systems
2. Code	EMPDIN201A
3. Range	Perform basic installation of mechanical equipment of water supply systems at workshops or equipment installation points.
4. Level	2
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about the functions and basic installation techniques for mechanical equipment of water supply systems</p> <ul style="list-style-type: none"> <li>◆ Understand the construction and functions of general mechanical equipment of water supply systems such as: <ul style="list-style-type: none"> <li>• Direct and 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> <li>◆ Capable to read simple installation drawings of mechanical equipment of water supply systems</li> <li>◆ Understand basic installation requirements and specifications of such equipment</li> </ul> <p>6.2 Basic installation procedures and methods for mechanical equipment of water supply systems</p> <ul style="list-style-type: none"> <li>◆ Master basic installation procedures and methods for mechanical equipment of water supply systems, including the procedures of material checking, cleaning, assembly, adjustment and simple testing</li> <li>◆ Assist in installing mechanical equipment of water supply systems and relevant accessories and materials</li> <li>◆ Install and set pipes, pumps, switches/valves, etc. at suitable locations under supervision</li> <li>◆ Use general workshop and worksite equipment and tools correctly, 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> <p>6.3 Professionalism in installing mechanical equipment of water supply systems</p> <ul style="list-style-type: none"> <li>◆ Perform basic installation of mechanical 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 installation of mechanical equipment of water supply systems</li> </ul>

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is:  (i) Capable to complete basic installation of mechanical equipment of water supply systems systematically and efficiently; and  (ii) Capable to undertake basic installation of mechanical equipment of water supply systems according to the code of practice of the trade.
8. Remarks	This unit of competency is applicable to practitioners engaged in the installation of mechanical equipment of water supply systems.