

1. Title	Perform basic installation of mechanical equipment of drainage systems
2. Code	EMPDIN202A
3. Range	Perform basic installation of mechanical equipment of drainage 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 drainage systems</p> <ul style="list-style-type: none"> <li>◆ Understand the construction and functions of general mechanical equipment of drainage systems such as: <ul style="list-style-type: none"> <li>• Fully vented one pipe drainage system with ventilation pipe</li> <li>• Two-pipe drainage system with ventilation pipe [stink (manure) pipe and waste drain]</li> <li>• Single stack drainage system (without ventilation pipe)</li> <li>• Storm-water drainage system</li> </ul> </li> <li>◆ Capable to read simple installation drawings of mechanical equipment of drainage 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 drainage systems</p> <ul style="list-style-type: none"> <li>◆ Master basic installation procedures and methods for mechanical equipment of drainage systems, including the procedures of material checking, cleaning, assembly, adjustment and simple testing</li> <li>◆ Assist in installing mechanical equipment of drainage 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 drainage systems</p> <ul style="list-style-type: none"> <li>◆ Perform basic installation of mechanical equipment of drainage 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 drainage 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 drainage systems systematically and efficiently; and  (ii) Capable to undertake basic installation of mechanical equipment of drainage systems according to the code of practice of the trade.
8. Remarks	This unit of competency is applicable to practitioners who are engaged in the installation of mechanical equipment of drainage systems.