

1. Title	Install mechanical equipment of water heater systems		
2. Code	EMPDIN205A		
3. Range	Perform tasks of installing mechanical equipment of water heater systems at equipment installation points.		
4. Level	2		
5. Credits	2		
6. Competency	<u>Performance Requirements</u> 6.1 Knowledge of installing mechanical equipment of water heater systems ◆ Understand the construction and operating principles of various types of mechanical installations of water heater systems ◆ Read installation drawings of mechanical installations of water heater systems ◆ Understand the installation requirements and specifications of such equipment 6.2 Methods and procedures of installing mechanical equipment of water heater systems ◆ Know the installation procedures and methods for mechanical installations of water heater systems, including the procedures of material checking, assembly, adjustment and testing ◆ Select and use suitable fittings and materials for the mechanical equipment of water heater systems ◆ Install and set various types of water heater systems, pipes, switches, etc. at suitable locations according to installation instructions ◆ Use workshop and worksite equipment and tools safely and proficiently, e.g. threading machine, electric drill, bench fitting tools and welding machine 6.3 Professionalism in installing mechanical equipment of water heater systems ◆ Perform tasks of installing mechanical equipment of water heater systems according to installation instructions ◆ Understand the safety guidelines as required by the law and the code of practice in installing mechanical installations of water heater systems		
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to complete installation tasks systematically and efficiently for mechanical equipment of water heater systems; and (ii) Capable to install mechanical installations of water heater systems safely according to codes of practice.		
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses elementary knowledge and skill in installing mechanical installations of water supply systems.		