

1. Title	Perform basic tests for water supply system installations	
2. Code	EMPDIT202A	
3. Range	Perform basic tests for water supply system installations at installation or repair sites.	
4. Level	2	
5. Credits	4	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of basic tests for water supply system installations</p> <ul style="list-style-type: none"> ◆ Understand basic methods of inspecting and testing water supply system installations, including static check, dynamic test and pressure test, etc. ◆ Understand the uses and applications of basic testing instruments and tools <ul style="list-style-type: none"> • Pressure gauge • Flow meter • Noise meter • Pressure test pump ◆ Understand basically the testing requirements of local regulations and international standards on all kinds of water supply systems and installations <p>6.2 Methods and procedures of basic tests for water supply system installations</p> <ul style="list-style-type: none"> ◆ Master basic procedures of testing water supply system installations ◆ Prepare the testing instruments according to instructions ◆ Perform basic tests for water supply system installations under instruction, including: <ul style="list-style-type: none"> • Using a pressure gauge to measure static and operating pressure of the water supply system • Using a flow meter to measure the water flow rate of the water supply system • Using a noise meter to measure the noise level of the water supply system • Using a pressure test pump to conduct pressure test for leakage detection ◆ Use basic workshop equipment and tools for water supply system installation contractors <p>6.3 Handling of basic tests for water supply system installations</p> <ul style="list-style-type: none"> ◆ Perform basic tests for water supply system installations according to instructions ◆ Undertake basic tests for water supply system installations according to the code of practice of the trade 	

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to undertake basic tests for water supply system installations safely according to the code of practice of the trade.
8. Remarks	This unit of competency is applicable to practitioners of water supply system installation, repair and commissioning in general.