

1. Title	Test plumbing installations	
2. Code	EMPDIT303A	
3. Range	Perform routine tests on plumbing installations at installation or servicing points.	
4. Level	3	
5. Credits	4	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of testing plumbing installations</p> <ul style="list-style-type: none"> ◆ Understand the methods of inspecting and testing general plumbing installations, including static inspection, dynamic test and pressure test ◆ Understand the uses and working principles of various kinds of testing instruments and tools including <ul style="list-style-type: none"> • Pressure gauge • Flow meter • Noise meter • Pressure test pump ◆ Understand the requirements of local regulations and international standards on testing various kinds of plumbing systems and installations <p>6.2 Methods and procedures of testing plumbing installations</p> <ul style="list-style-type: none"> ◆ Know the methods and procedures of testing general plumbing installations ◆ Select and check the testing and measuring instruments correctly ◆ Perform routine test according to instructions, including: <ul style="list-style-type: none"> • Using a pressure gauge to measure static and operating pressure • Using a flow meter to measure the water flow rate of the plumbing system • Using a pressure test pump to conduct pressure test for leakage detection • Other functional tests ◆ Prepare documents for testing and adjustment (e.g. checklist, testing report, etc) ◆ Record and evaluate data measured ◆ Use worksite equipment and tools from plumbing installation contractors safely <p>6.3 Professionalism in testing plumbing installations</p> <ul style="list-style-type: none"> ◆ Undertake routine tests for plumbing installations according to the code of practice of the trade 	

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to complete tasks of testing and measuring operating parameters of general plumbing systems systematically and efficiently; and (ii) Capable to undertake tasks of testing and measuring mechanical installations of plumbing systems safely according to the code of practice.
8. Remarks	This unit of competency is applicable to general practitioners engaged in installing, repairing and commissioning mechanical installations of plumbing systems.