

1. Title	Perform basic tests for fire service installations
2. Code	EMFSIT202A
3. Range	Perform basic tests for fire service installations under instruction in predictable and structured working environments at installation or repair sites.
4. Level	2
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Basic knowledge for inspection and testing of fire service installations</p> <ul style="list-style-type: none"> ◆ Understand basic methods of inspecting and testing fire service 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 • Hydraulic pump • Multi-meter • Insulation tester • Detector tester <p>6.2 Perform basic tests for fire service installations</p> <ul style="list-style-type: none"> ◆ Master basic procedures of testing fire service installations ◆ Prepare the testing instruments according to instructions ◆ Perform basic tests for fire service installations under instruction in predictable and structured working environments, including: <ul style="list-style-type: none"> • Using a pressure gauge to measure static and operating pressure of the fire system • Using a flow meter to measure the water flow rate of the fire system • Using a noise meter to measure the noise level of the fire system • Using a hydraulic pump to conduct pressure test for leakage detection • Using a multi-meter to measure the operating current and voltage of the water pump motor ◆ Know the use of basic workshop equipment and tools for fire service installation contractors

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to follow codes of practice and safety guidelines required by the law to perform basic tests for fire service installations under instruction in predictable and structured working environments.
8. Remarks	This unit of competency is applicable to practitioners of fire service installation, repair and commissioning in general.