

1. Title	Test fire service installations
2. Code	EMFSIT301A
3. Range	Test fire installations independently in all kinds of predictable and regular situations at installation or servicing points.
4. Level	3
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of testing fire service installations</p> <ul style="list-style-type: none"> ◆ Understand the methods of inspecting and testing general fire service installations, including static inspection, dynamic test and pressure test ◆ Understand the uses and working principles of various kinds of testing instruments and tools ◆ Understand the requirements of local regulations and international standards on testing various kinds of fire systems and installations, including: <ul style="list-style-type: none"> • Code of Practice for Minimum Fire Service Installations and Equipment and Inspection, Testing and Maintenance of Installation and Equipment • Rules of the Loss Prevention Council, UK • Codes of National Fire Protection Association, US <p>6.2 Methods and procedures of testing fire service installations</p> <ul style="list-style-type: none"> ◆ Master the methods and procedures of testing general fire service installations ◆ Select and check the testing and measuring instruments correctly ◆ Perform more complicated testing tasks ◆ Prepare documents for testing and adjustment (e.g. checklist, testing report, etc) ◆ Record and evaluate data measured ◆ Use worksite equipment and tools from fire service installation contractors safely <p>6.3 Professionalism in testing fire service installations</p> <ul style="list-style-type: none"> ◆ Undertake routine testing for fire service installations according to the code of practice
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to complete tasks of testing and measuring operating parameters of general fire systems systematically and efficiently; and</p> <p>(ii) Capable to undertake tasks of testing and measuring mechanical devices of fire systems according to the code of practice.</p>
8. Remarks	This unit of competency is applicable to general practitioners engaged in installing, repairing and commissioning mechanical devices of fire systems.