

1. Title	Apply basic fire service installations
2. Code	EMFSDE201A
3. Range	Master the construction and simple working principles of basic fire service installations, the Code of Practice for Fire Service Installations and Equipment and relevant ordinances in performing basic installation, inspection, testing, commissioning, operation, repair and maintenance of fire systems at general fire service work sites.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of basic fire service installations</p> <ul style="list-style-type: none"> ◆ Understand the construction of basic fire service installations and the simple working principles of main components, including: <ul style="list-style-type: none"> • Sprinkler system • Fire hydrant/hose reel system • Fire detection and alarm system • Portable fire-fighting equipment • Drencher/deluge/water spray system • Fire extinguishing system with carbon dioxide, FM200 or similar agents ◆ Understand the provisions on general residential, industrial and commercial buildings stated in the Code of Practice for Fire Service Installations and Equipment, including the required fire systems and their extents <p>6.2 Apply basic fire service installations</p> <ul style="list-style-type: none"> ◆ Identify different types of fire service installations and their uses ◆ State the fire service installations and equipment required in general residential, industrial and commercial buildings ◆ Assist in the selection and use of proper fire service installations
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to state the fire service installations and equipment required in general residential, industrial and commercial buildings according to the Code of Practice for Fire Service Installations and Equipment; and</p> <p>(ii) Capable to assist in the selection and use of proper fire service installations in basic installation, inspection, testing, commissioning, operation, repair and maintenance of fire systems.</p>
8. Remarks	This unit of competency is applicable to general fire engineering practitioners.