

1. Title	Know about types of basic fire service installations
2. Code	EMFSDE101A
3. Range	Describe fire causes, fire-extinguishing methods, and the types and applications of basic fire service installations.
4. Level	1
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about fire causes and fire-extinguishing methods</p> <ul style="list-style-type: none"> <li>◆ Understand fire causes and the combustion of different classes of fires</li> <li>◆ Understand the gases released by combustion and the impact</li> <li>◆ Understand fire-extinguishing methods</li> <li>◆ Understand different types of extinguishing agents and their applications</li> <li>◆ Understand the ways of fire spread and methods to prevent fire spread</li> </ul> <p>6.2 Types and applications of basic fire service installations</p> <ul style="list-style-type: none"> <li>◆ Master the applications of active types of basic fire service installations under the instructions of superiors, including: <ul style="list-style-type: none"> <li>• Sprinkler system</li> <li>• Fire hydrant/hose reel system</li> <li>• Fire detection and alarm system</li> <li>• Portable fire-fighting equipment</li> </ul> </li> <li>◆ Master the applications of passive types of basic fire service installations under the instructions of superiors, including: <ul style="list-style-type: none"> <li>• Fire damper</li> <li>• Fire-resisting partition</li> <li>• Fire stop door etc.</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to understand the applications of active and passive types of basic fire service installations; and</p> <p>(ii) Capable to use proper extinguishing agents and fire service installations, under the instructions of superiors, according to different types of fires.</p>
8. Remarks	This unit of competency is applicable to new entrants of the fire engineering trade.