

1. Title	Apply the knowledge of fire detection and alarm systems and equipment
2. Code	EMFSDE307A
3. Range	Apply the knowledge of fire detection and alarm systems and equipment to the design, installation, operation, repair, maintenance and project management of such systems at design offices or work sites.
4. Level	3
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of fire detection and alarm systems and equipment</p> <ul style="list-style-type: none"> <li>◆ Understand the types, construction, functions, applications and working principles of typical fire detection and alarm systems and equipment, including: <ul style="list-style-type: none"> <li>• Audio/visual advisory system</li> <li>• Fire detection system (conventional electronic type and addressable intelligent type)</li> <li>• Fire alarm system</li> </ul> </li> <li>◆ Understand the construction, uses and selection of components, and the impact of different accessories on system operation</li> <li>◆ Understand the operation sequence and performance requirements of typical fire detection and alarm systems</li> <li>◆ Understand system drawings and component drawings</li> <li>◆ Understand relevant specifications and guidelines stated in the Code of Practice for Fire Service Installations and Equipment</li> </ul> <p>6.2 Application of the knowledge of fire detection and alarm systems and equipment</p> <ul style="list-style-type: none"> <li>◆ Communicate with the sector and clients on issues relevant to the design, installation, commissioning, operation, repair and maintenance of detection and alarm systems and equipment, including: <ul style="list-style-type: none"> <li>• Select suitable fire detection and alarm systems and equipment according to building types and uses</li> <li>• Ensure that the selected components meet the requirements stated in the Code of Practice for Fire Service Installations and Equipment</li> <li>• Perform assessments of general installation, operation and maintenance of fire detection and alarm systems, and identify solutions for solving the problems</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply the knowledge of detection and alarm systems and equipment and to solve the problems involved in the design, installation, commissioning, operation, repair and maintenance of such systems; to communicate with the sector and clients.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of fire service installations.