

1. Title	Draw engineering drawings of fire service installations	
2. Code	EMFSDE304A	
3. Range	Perform varying degrees of tasks of producing engineering drawings of fire service installations, at design offices, drawing rooms or work sites.	
4. Level	3	
5. Credit	9	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of production of engineering drawings of fire service installations</p> <ul style="list-style-type: none"> <li>◆ Understand the information included in schematic drawings of fire service installations, such as drawing list, building floor plan, abbreviations, symbol and explanatory note</li> <li>◆ Understand the details of engineering drawings of fire service installations, and the production of drawings, including: <ul style="list-style-type: none"> <li>• Layout plan</li> <li>• Vertical system schematic diagram</li> <li>• Electrical power and control wiring diagram</li> <li>• 3D assembly drawing</li> </ul> </li> <li>◆ Understand the details and requirements of sketch designs of general fire service installations</li> <li>◆ Understand the conventions and standards for production of engineering drawings of fire service installations</li> </ul> <p>6.2 Methods and procedures of producing engineering drawings of fire service installations</p> <ul style="list-style-type: none"> <li>◆ Know about the procedures and methods of producing engineering drawings of fire service installations</li> <li>◆ Use standard drawing symbols and different techniques independently to draw fire service layout plans, vertical system schematic diagram and electrical power and control wiring diagrams of varying degrees of difficulty</li> <li>◆ Indicate the equipment position, size and type, and wiring and conduit path on the drawings accurately</li> <li>◆ Draw 3D assembly drawings of fire service installations</li> <li>◆ Modify engineering drawings of fire service installations</li> </ul> <p>6.3 Professionalism in production of engineering drawings of fire service installations</p> <ul style="list-style-type: none"> <li>◆ Produce various types of engineering drawings of fire service installations according to trade standards</li> <li>◆ Understand legal requirements and relevant codes of practice when undertaking the production of engineering drawings of fire service installations</li> </ul>	

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is:  (i) Capable to complete the production of engineering drawings of fire service installations systematically and effectively, such as using standard drawing symbols and different techniques independently to draw layout plans, vertical system schematic diagrams and electrical power and control wiring diagrams of varying degrees of difficulty.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge and techniques of producing engineering drawings of fire service installations.