

1. Title	Basic application of fire system computer-aided design (CAD) software
2. Code	EMFSDE404A
3. Range	Apply basic CAD software in familiar situations to support fire system design.
4. Level	4
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Basic knowledge of fire system CAD software</p> <ul style="list-style-type: none"> <li>◆ Understand the uses and basic principles of typical fire system CAD software, such as: <ul style="list-style-type: none"> <li>• Calculation software for clean agent flow</li> <li>• Calculation software for water flow and pressure in pipes of sprinkler and water spray system</li> </ul> </li> <li>◆ Understand the characteristics, design criteria and limitations of fire system CAD software</li> </ul> <p>6.2 Basic application of fire system CAD software</p> <ul style="list-style-type: none"> <li>◆ Apply basic CAD software in familiar situations to support fire system design according to manufacturer guidelines</li> <li>◆ Input correct data to obtain reasonable results</li> </ul> <p>6.3 Professionalism in handling computer application software</p> <ul style="list-style-type: none"> <li>◆ Use computer application software developed under local and international standards</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply basic CAD software in familiar situations to support fire system design.</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 system design.