

1. Title	Apply fire system computer-aided design (CAD) software
2. Code	EMFSDE506A
3. Range	Apply CAD software to support different levels of fire system design tasks.
4. Level	5
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of fire system CAD software</p> <ul style="list-style-type: none"> ◆ Understand the uses and principles of fire system CAD software, such as: <ul style="list-style-type: none"> • Calculation software for clean agent flow • Calculation software for water flow and pressure in pipes of sprinkler and water spray system ◆ Understand the characteristics, design criteria and limitations of fire system CAD software <p>6.2 Application of fire system CAD software</p> <ul style="list-style-type: none"> ◆ Apply CAD software to support different levels of fire system design tasks according to manufacturer guidelines ◆ Improve the system design through evaluation and analysis of computational results so as to maximize the efficiency <p>6.3 Professionalism in handling computer application software</p> <ul style="list-style-type: none"> ◆ Use computer application software developed under local and international standards
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply CAD software to support different levels of fire system design tasks effectively.</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 CAD design software.