1. Title	Use computer to draw combined services drawings of building services
2. Code	EMCUDE317A
3. Range	Use computer to draw combined services drawings of building services as electrical and mechanical engineering design is involved.
4. Level	3
5. Credits	5
6. Competency	<u>Performance Requirements</u> 6.1 Computer engineering drawing techniques and methods ♦ Understand the techniques and methods of using computer to draw combined services drawings of building services, including: • Setting layer rules for combined services drawings of building services • Difference between drawing the equipment on layout plan directly and drawing on external reference drawings • Management and application of external reference drawings • Setting of configuration and drawing specifications 6.2 Application of computer in engineering drawing ♦ Use the computer to draw combined services drawings of building services, including: • Copy the electrical and mechanical drawing layer needed from an electrical and mechanical layout plan to another electrical and mechanical layout plan to form a combined services drawings of building services • Compile the drawing layer of electrical and mechanical facilities with reference to external sources • Use information saved in files or databank to improve the efficiency of drawing ♦ Retrieve, manage and apply external reference drawings efficiently
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to draw a combined services drawings of building services according to design by including and merging building services drawings of different floors of the building and form a comprehensive building services drawing ; and (ii) Capable to use information saved in files or databank, including the external reference drawings, to improve the efficiency of drawing.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of drawing basic electrical and mechanical drawings with computer.