1. Title	Apply CAD standard and information technology to draw electrical and mechanical engineering drawings
2. Code	EMRADE303A
3. Range	Apply CAD standard for Works Projects （CSWP）of Hong Kong Government and information technology in drawing offices or other electrical and mechanical work sites as to enhance the quality of drawings.
4. Level	3
5. Credits	5

6. Competency	<u>Performance Requirements</u>
	
	6.1 Planning and requirements of CSWP
	♦ Understand planning and requirements of CSWP, including:
	   • Planning of CSWP folder and files
	   • Layer format
	   • Specifications of lines
	   • Specifications of text
	   • Specifications of colour control
	   • Application of scale
	   • Specifications of drawing paper
	   • System planning
	
	6.2 Methods and procedures of applying CSWP in electrical and mechanical engineering drawings
	♦ Apply computer software effectively in drawing electrical and mechanical engineering drawings with the following procedures to meet CSWP
	   • Establish CSWP standard drawing library and line library
	   • Manage CSWP data
	   • Implement data interchange
	   • Apply CSWP interface functions
	♦ Enhance the CSWP efficiency, including
	   • Establish a function menu for common computer softwares
	   • Improve the CSWP drawing system functions

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to apply common computer softwares effectively in drawing electrical and mechanical engineering drawings to meet CSWP; and (ii) Capable to use the functions of computer software to improve the efficiency of CSWP.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of drawing electrical and mechanical engineering drawings with computer.