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| 1. Title | Use computer to draw for complicated electrical engineering drawings |
| 2. Code | EMCUDE316A |
| 3. Range | Use computer to draw complicated electrical engineering drawings in electrical and mechanical workplaces. |
| 4. Level | 3 |
| 5. Credit | 5 |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Techniques and methods of using computer to draw electrical engineering drawings</p> <ul style="list-style-type: none"> ◆ Understand the techniques and methods of using computer to draw complicated electrical engineering drawings <p>6.2 Use computer to draw complicated mechanical engineering drawings</p> <ul style="list-style-type: none"> ◆ Use the computer to draw complicated electrical engineering drawings according to design <ul style="list-style-type: none"> • Draw the main circuit layout of multi-layer power system and electrical installation with protection device according to design • Draw the circuit wiring layout of multi-layer power system and electrical installation with protective and control equipment according to design • Draw the complex control circuit layout according to design <ul style="list-style-type: none"> ▸ Logic electronic circuit ▸ Electrical and electronic control equipment circuits |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to draw a main circuit layout, control circuit layout and wiring layout of an electrical installation, including the electrical and electronic control equipment, according to design; and</p> <p>(ii) Capable to integrate several electrical distribution and wiring layouts into a comprehensive power supply and wiring layout for a multi-storey building according to design.</p> |
| 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. |