

1. Title	Install simple extra-low voltage installations of buildings
2. Code	EMELIN211A
3. Range	Master the shop drawings and installation specifications of simple extra-low voltage installations of buildings and carry out the installation of various kinds of extra-low voltage installations of buildings.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand the basic combination, the details of shop drawings and installation requirements for various kinds of extra-low voltage installations of buildings</p> <ul style="list-style-type: none"> <li>◆ Understand common electrical symbols for extra-low voltage installations of buildings</li> <li>◆ Understand various kinds of drawings of simple extra-low voltage installations of buildings and their functions, such as system diagram, circuit diagram, wiring diagram, equipment layout diagrams</li> <li>◆ Understand the basic combination and installation requirements for various kinds of extra-low voltage installations of buildings, such as wire type, specifications and technical standard for wiring: TIA/EIA-568A, etc.</li> </ul> <p>6.2 Carry out installation of various kinds of extra-low voltage installations of buildings according to relevant legal or contract requirements</p> <ul style="list-style-type: none"> <li>◆ Follow the details and requirements of installation diagrams for various kinds of extra-low voltage installations of buildings to work out: <ul style="list-style-type: none"> <li>• Installation plan and schedule</li> <li>• List of materials required</li> <li>• List of tools required</li> </ul> </li> <li>◆ Select appropriate materials, tools and procedures for the installation of extra-low voltage installations of buildings according to the contract terms and drawings for various kinds of installations as well as relevant standards and installation codes such as the code of practice of the Office of the Telecommunications Authority</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to understand the basic combination and installation requirements for extra-low voltage installations of buildings specified; and</p> <p>(ii) Capable to apply relevant contract terms, standards and codes to select appropriate materials, tools and procedures for the installation of extra-low voltage installations of buildings.</p>
8. Remarks	