

1. Title	Understand the basic design concept of general extra-low voltage installations of buildings
2. Code	EMELDE103A
3. Range	Understand the basic design concept of various kinds of extra-low voltage installations of buildings, the installation requirements, application of materials, tools and details of simple shop drawings of general installations.
4. Level	1
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Design and installation concepts and the application of installation materials and tools for various kinds of extra-low voltage installations of buildings</p> <ul style="list-style-type: none"> ◆ Understand the basic design and installation concepts of various kinds of installation systems such as common antenna TV and satellite TV systems, security system, public address (PA) system, and PABX system ◆ Understand the application of general installation materials and tools for various kinds of installations such as cable connection and wiring <p>6.2 Master the details of simple shop drawings of various kinds of extra-low voltage installations of buildings</p> <ul style="list-style-type: none"> ◆ Master the details of simple shop drawings of various kinds of installations such as general system schematic, installation layout plan and wiring diagram
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to understand the basic design and installation concepts of various kinds of extra-low voltage installations of buildings; (ii) Capable to master the details of simple shop drawings of various kinds of extra-low voltage installations of buildings; and (iii) Capable to understand the application of general installation materials and tools, to receive and convey instructions on installation procedures for extra-low voltage installations of buildings, and apply installation materials and tools under instruction.
8. Remarks	