

1. Title	Master the design of various kinds of extra-low voltage installations of buildings
2. Code	EMELDE304A
3. Range	Applicable to the design work of extra-low voltage installations of buildings. Master the design of various kinds of extra-low voltage installations of buildings, including the arrangement and protection of installation wiring, technical requirements for various installation facilities and devices, etc..
4. Level	3
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand various kinds of extra-low voltage installations of buildings and accessories</p> <p style="margin-left: 40px;">◆ Understand various kinds of extra-low voltage installations of buildings and accessories including:</p> <ul style="list-style-type: none"> • Extra-low voltage power supply systems of buildings • Security system • CCTV • Public antenna • Satellite TV system • Broadband network, etc. <p>6.2 Master various kinds of extra-low voltage designs for buildings</p> <p style="margin-left: 40px;">◆ Master the design of various kinds of extra-low voltage installations of buildings including:</p> <ul style="list-style-type: none"> • Technical requirements for the worksites of extra-low voltage installations of buildings • Skills in operating, testing and repairing equipment device of extra-low voltage systems of buildings • Wiring arrangement and system protection for extra-low voltage installations of buildings
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to master the design of various kinds of extra-low voltage installations of buildings, and perform relevant design tasks independently.
8. Remarks	