

1. Title	Design extra-low voltage installations
2. Code	EMELDE403A
3. Range	Applicable to the design and installation of extra-low voltage installations of buildings. Master client's requirements, including all the terms and conditions in tender specifications or quotations, contract specifications, drawings, project schedules, etc.; implement design items of various kinds of extra-low voltage installations of buildings.
4. Level	4
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Master client's requirements</p> <ul style="list-style-type: none"> ◆ Master client's requirements including various contract specifications, drawings, project schedules, etc. ◆ Consolidate client's requirements, technical specifications and relevant standards; analyze and list out key points of design <p>6.2 Implement the design of various kinds of extra-low voltage installations of buildings according to necessary client's requirements and key points of design</p> <ul style="list-style-type: none"> ◆ Implement the design of various kinds of extra-low voltage installations of buildings according to necessary client's requirements and key points of design including system equipment manufacturer's guidelines, approved standards, related local regulations, etc. <p>6.3 Professionalism in designing extra-low voltage installations of buildings</p> <ul style="list-style-type: none"> ◆ Follow the regulations and safety guidelines for the industry to ensure that the design of extra-low voltage installations of buildings are safe and reliable to use
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to master the key points of design of extra-low voltage installations of buildings; and</p> <p>(ii) Capable to design various kinds of extra-low voltage installations of buildings according to client's requirements, approved standards and related local regulations.</p>
8. Remarks	