

1. Title	Master technical requirements and to install extra-low voltage installations
2. Code	EMELIN403A
3. Range	Applicable to installation of extra-low voltage installations of buildings. Install extra-low voltage installations of buildings and perform wiring arrangement according to the characteristics and technical requirements for various extra-low voltage installations of buildings facilities and devices and the analysis on the actual situation and constraints of the work site.
4. Level	4
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand the technical requirements for installing various kinds of extra-low voltage installations of buildings</p> <ul style="list-style-type: none"> <li>◆ Understand the characteristics of and installation requirements for various kinds of installation facilities, such as the wiring arrangement, circuit separation, system protection, extra-low voltage installation systems network standard, etc.</li> </ul> <p>6.2 Install extra-low voltage installations</p> <ul style="list-style-type: none"> <li>◆ Perform analyses on electromagnetic interference, network communication method, etc. according to the actual situation and constraints of the work site</li> <li>◆ Follow the technical requirements and site constraints for installation to install various kinds of extra-low voltage installations</li> </ul> <p>6.3 Professionalism in installing extra-low voltage installations</p> <ul style="list-style-type: none"> <li>◆ Follow the regulations and safety guidelines for the industry to ensure that the installation of extra-low voltage installations are performed safely and the extra-low voltage installations are safe to use</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to master the characteristics of and installation requirements for various kinds of extra-low voltage installations of buildings and perform the installation work required; and</p> <p>(ii) Capable to properly arrange to install extra-low voltage installations according to the actual situation and constraints of the work site.</p>
8. Remarks	