

1. Title	Carry out installation of low voltage power systems and associated facilities according to the details of shop drawings
2. Code	EMELIN310A
3. Range	Applicable to electrical installation work. Master the details of shop drawings of electrical installations and perform installation of low voltage power systems and associated facilities directly fed by low voltage underground distribution cables.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about the details and requirements of installation drawings of electrical installations ♦ Master the details and requirements of installation drawings of simple electrical installations in normal situations, and analyze and list out installation items and schedules for implementation</p> <p>6.2 Master the actual situation and constraints of the worksite in order to implement installation of low voltage electrical installations ♦ Implement installation of low voltage power systems and associated facilities directly fed by low voltage underground distribution cables according to the actual situation and constraints of the worksite, including: general wiring system, power equipment, drive system, protection and control system, power supply quality control system, earthing system, lightning protection system, lighting system, etc.</p> <p>6.3 Professionalism in installing low voltage distribution equipment ♦ Follow the regulations and safety guidelines for the industry to ensure that low voltage distribution equipment can be used safely</p>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to list out installation items and schedules for implementation;</p> <p>(ii) Capable to master the actual situation and constraints of the work site; and</p> <p>(iii) Capable to carry out installation of low voltage electrical installations according to the details and requirements of installation drawings of electrical installations.</p>
8. Remarks	