

1. Title	Install low voltage distribution network systems
2. Code	EMELIN410A
3. Range	Applicable to installation of low voltage distribution network and associated installations. Implement various tasks for installing low voltage power supply network system and associated installations directly fed by several transformers.
4. Level	4
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand various techniques of installing low voltage distribution network installations and associated equipment</p> <ul style="list-style-type: none"> <li>◆ Understand low voltage power supply network structure directly fed by several transformers according to client's design drawings</li> <li>◆ Master various techniques and work processes of installing low voltage distribution network installations and associated equipment including arranging technical staff and tools, etc.</li> </ul> <p>6.2 Install low voltage distribution network installations and associated equipment</p> <ul style="list-style-type: none"> <li>◆ Perform analyses at different stages according to the actual situation of the work site; formulate measures to solve the potential problems and constraints of the work site</li> <li>◆ Select appropriate materials, tools and approved installation techniques to perform installation task according to actual installation progress, including various kinds of switches, transformers, generators, cables, protection and control devices, etc. equipment</li> </ul> <p>6.3 Professionalism in installing low voltage distribution network systems and associated installations</p> <ul style="list-style-type: none"> <li>◆ Follow the Electricity (Wiring) Regulations and code of safe working practice to implement installation of low voltage distribution network systems</li> </ul>
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to master potential problems and constraints of the work site and formulate solutions; and (ii) Capable to master the application of installation techniques and safely implement the installation of low voltage distribution network installations and associated equipment.
8. Remarks	