

1. Title	Conform to regulations and international standards for designing high voltage distribution or generation installations
2. Code	EMELDE312A
3. Range	Applicable to engineering work of high voltage distribution or generation systems (not including Power Generation Stations). Design high voltage distribution power supply network or generation installations according to the Electricity (Wiring) Regulations and their Code of Practice, as well as relevant international standards for the products and services of electrical installation.
4. Level	3
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand international standards and main design specifications relevant to high voltage distribution or generation installations</p> <ul style="list-style-type: none"> <li>◆ Understand international standards relevant to high voltage distribution or generation installation products and services, including: <ul style="list-style-type: none"> <li>• International Electric Community Standards (IEC)</li> <li>• British EU Standards (BSEN)</li> <li>• Chinese National Standard (GB)</li> </ul> </li> <li>◆ Understand main specifications relevant to the design of high voltage distribution or generation installations, including: current capacity, protection, control and interlocking arrangements of distribution or generation equipment, earthing arrangements, supplier's specifications for the design of distribution or generation installations, codes of practice for distribution or generation installations, codes of practice for energy efficiency, environmental protection regulations, fire services regulations, etc.</li> </ul> <p>6.2 Carry out general design of high voltage distribution power supply network or generation installations</p> <ul style="list-style-type: none"> <li>◆ Carry out general design of high voltage distribution power supply network or generation installations</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to understand international standards relevant to specific high voltage distribution or generation installation products and services; and</p> <p>(ii) Capable to carry out general design of high voltage distribution or generation installations.</p>
8. Remarks	