

1. Title	Lead the design renovation of large-scale power supply system installations
2. Code	EMELDE606A
3. Range	Applicable to large-scale electrical engineering design. Lead the design renovation of large-scale power supply systems and associated installations.
4. Level	6
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand advanced technologies and performance indicators for large-scale power supply system installations</p> <ul style="list-style-type: none"> <li>◆ Understand advanced technologies and performance indicators for large-scale power supply system installations such as power supply systems stability, automation, intelligent protection system, high voltage DC transmission, etc.</li> </ul> <p>6.2 Lead the design renovation of large-scale power supply systems and associated installations</p> <ul style="list-style-type: none"> <li>◆ Master innovative design ideas for large-scale power supply systems and associated installations to enhance or renovate the power supply performance of the existing power supply system such as the stability, automation, intelligent protection system, and high voltage DC transmission of large-scale power supply system</li> <li>◆ Lead and organise design renovation team and set the goal for power supply system performance</li> <li>◆ Lead the design renovation work and monitor the results at each stage</li> </ul> <p>6.3 Professionalism in leading the design renovation of large-scale power supply systems and associated installations</p> <ul style="list-style-type: none"> <li>◆ Follow the strict legal and professional requirements to renovate the effectiveness and safety performance of the existing large-scale power network and associated installation design</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to master advanced technologies and innovative design ideas for large-scale power supply system installations; and</p> <p>(ii) Capable to lead and organize design renovation team.</p>
8. Remarks	