1. Title	Formulate high voltage transmission schematic diagrams and protection control circuits
2. Code	EMELDE407A
3. Range	Applicable to the design of high voltage transmission power supply network and associated installations. Formulate high voltage transmission network power systems and their protection control circuits according to actual needs.
4. Level	4
5. Credit	6
6. Competency	<u>Performance Requirements</u> 6.1 Understand the main points of the planned high voltage transmission network power systems ♦ Understand the power demand of high voltage transmission networks in different areas ♦ Understand the main points of the planned high voltage transmission network power systems 6.2 Formulate protection and control circuits according to the actual situation of the network ♦ Assess the performance or weaknesses of different protection and control circuits, such as safety level, feasibility and reliability, etc. ♦ Formulate or improve high voltage transmission network planning and draw schematic diagrams ♦ Formulate or improve protection and control circuits according to the demerits of protection and control circuits ♦ Formulate protection and control circuits according to the nature of different in/out transmission lines 6.3 Professionalism in formulating high voltage transmission schematic diagrams and protection control circuits ♦ Ensure that the protection and control circuits of high voltage transmission power supply network and associated installations are safe to use according to the regulations and safety guidelines for the industry
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to master the main points of the planned high voltage transmission network power systems in order to formulate high voltage transmission network schematic diagrams ; and (ii) Capable to formulate protection and control circuits according to the actual situation of the network.
8. Remarks	