1. Title	Master the design concept of high voltage distribution or generation installations
2. Code	EMELDE310A
3. Range	Applicable to the design work of high voltage distribution facilities (not including Power Generation Stations). Master the design concept of high voltage distribution or generation power supply installations, including the arrangement and basic protection of electrical installations.
4. Level	3
5. Credit	6
6. Competency	Performance Requirements 6.1 Know about the characteristics of general high voltage distribution facilities or generation installations ♦ Know about the characteristics of general high voltage distribution or generation facilities, including current output, stability of operation, pressure proof, off flow, etc. 6.2 Master the design concept of high voltage distribution or generation installations ♦ Master the design concept of high voltage distribution installations, including customer load, power demand, supplier's mode of power supply, high voltage distribution arrangement, protection installation requirement, earthing systems, lightning protection system, construction engineering requirements, etc. ♦ Master the design of high voltage generation installations, including methods of high voltage generation, control arrangement of power generation, synchronization arrangement of distribution network, generating capacity, high voltage distribution arrangement, protection installation requirement, earthing systems, lightning protection system, civil requirements, etc.
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to master the design concept of high voltage distribution or generation installations in order to perform installation and relevant tasks for the installations.
8. Remarks	