

1. Title	Operate, repair and maintain high voltage power distribution or generation facilities and devices
2. Code	EMELOR305A
3. Range	Analyze the operation and fault conditions of different high voltage power distribution or generation installations and equipment, and perform the operation, repair and maintenance of various high voltage electrical facilities.
4. Level	3
5. Credit	6
6. Competency	<u>Performance Requirements</u> 6.1 Master different operation and fault conditions of high voltage power distribution or generation installations; various requirements, working procedures and techniques of relevant codes of safety on operation, repair and maintenance ◆ Master different operation and fault conditions of high voltage power distribution or generation installations and equipment such as generator voltage regulator fault, fault alarm incidents, high voltage switch control circuit failure, mechanical fault in high voltage switches, cable fault, air leak in SF6 insulated high voltage switch, etc. ◆ Master various requirements of relevant codes of safety on operation, repair and maintenance for high voltage distribution or generation power facilities and devices according to manufacturers' manuals of operation, maintenance and repair and relevant codes of practice ◆ Master the working procedures and techniques of operating, maintaining and repairing various equipments. High voltage electrical facilities and devices include high voltage distribution switches, transformers, cables, overhead lines, electric motors, capacitors, generators, protection device, protection and control circuits, etc. ◆ Master basic management mechanism for maintenance and repair ◆ Master file record system of the operation, maintenance and repair of electrical equipment 6.2 Perform operation, repair and maintenance for high voltage power distribution or generation facilities and devices ◆ Follow relevant codes of safety to perform operation, repair and maintenance for various types of high voltage power distribution or generation facilities and devices. High voltage electrical facilities and devices include generators, transformers, SF6 insulated high voltage switches, control panel, overhead lines, cables, electric motors, etc.

	6.3 Professionalism in operating, repairing and maintaining high voltage power distribution or generation facilities ◆ Follow the regulations and safety guidelines for the industry to ensure that high voltage power distribution or generation installations can be used safely
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to understand various requirements of relevant codes of safety on operation, repair and maintenance for high voltage power distribution or generation facilities and devices; (ii) Capable to master the operation and fault conditions of high voltage power distribution or generation installations; and (iii) Capable to perform operation, repair and maintenance for high voltage power distribution or generation facilities and devices.
8. Remarks	