

1. Title	Operate, repair and maintain high voltage transmission installations
2. Code	EMELOR410A
3. Range	Applicable to the operation, repair and maintenance of electrical work. Master the technical requirements on the operation, repair and maintenance of high voltage transmission installations and equipment; perform the operation, repair and maintenance according to the Safety Rules.
4. Level	4
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand the operation, repair and maintenance and the Safety Rules for various types of high voltage transmission installations and equipment</p> <ul style="list-style-type: none"> ◆ Understand the operating principles of various types of high voltage transmission installations or equipment including various kinds of high voltage transmission switches, transformers, cables, overhead lines, protection and control devices, etc. ◆ Understand the performance and operating methods of various types of high voltage testing instruments ◆ Understand recognized technical requirements on repairing and maintaining various types of high voltage transmission installations, including protective maintenance, routine replacement of parts and emergency fault repair ◆ Understand repair and maintenance technologies for high voltage transmission installation circuit protection relay including replacing advanced microprocessor-based relay, self-monitoring technology, etc. ◆ Master the Safety Rules for high voltage transmission installations and equipment <p>6.2 Follow the Safety Rules to operate, repair and maintain high voltage transmission installations</p> <ul style="list-style-type: none"> ◆ Formulate guidelines on the operation, repair and maintenance of high voltage transmission installations and equipment according to the Safety Rules . ◆ Strictly follow the Safety Rules and working guidelines to operate, repair and maintain high voltage transmission installations and equipment

	<p>6.3 Professionalism in operating, repairing and maintaining high voltage transmission installations</p> <ul style="list-style-type: none"> ◆ Follow the law and safety guidelines for the industry to ensure that the operation, repair and maintenance of high voltage transmission installations are performed safely and the high voltage transmission installations can be used safely
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to formulate guidelines on the operation, repair and maintenance of high voltage transmission installations and equipment according to the Safety Rules; and (ii) Capable to follow the Safety Rules and working guidelines to operate, repair and maintain high voltage transmission installations and equipment.
8. Remarks	