

1. Title	Install high voltage transmission network facilities	
2. Code	EMELIN409A	
3. Range	Master client's various requirements for various power facilities of high voltage transmission network, and install high voltage transmission network facilities and associated installations.	
4. Level	4	
5. Credit	6	
6. Competency		<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand client's various requirements</p> <ul style="list-style-type: none"> ◆ Understand client's requirements, including all the clauses of various kinds of tender specifications or quotations, contract terms, drawings, project schedules; list out installation items required to be carried out ◆ Understand the technical requirements for installing high voltage transmission network installations and associated equipment, including manufacturers' technical specifications on installing high voltage transmission installations, system arrangement for electrical installations, system protection plan, etc. <p>6.2 Install high voltage transmission power network and associated installations</p> <ul style="list-style-type: none"> ◆ Investigate the work site on purpose at different stages and analyze according to the actual situation; point out the constraints for installing high voltage transmission power network and associated installations and potential work site problems ◆ Follow client's installation requirements to select appropriate materials, tools and approved installation techniques to perform installation task, including various kinds of switches, transformers, generators, cables, protection and control devices, etc. equipment ◆ Install high voltage transmission power supply network system and associated installations according to the design requirements and working plans for high voltage transmission network installations and associated equipment, including organizing, connecting and communicating various kinds of high voltage switches, transformers, cables, insulated supporting frames, protection and control devices, earthing systems, lightning protection system, etc. ◆ Perform setting of protection system according to the protection schemes for high voltage transmission installations, and improve the protection schemes according to the actual situation

	<p>6.3 Professionalism in installing high voltage transmission power supply network and associated installations</p> <p>◆ Follow the regulations and safety guidelines for the industry to ensure that the high voltage transmission power supply network and associated installations are safely installed and are safe to use</p>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to analyze the actual situation and constraints of the worksite ; and (ii) Capable to install high voltage transmission power network and associated installations according to client's and technical requirements on installation.
8. Remarks	