

1. Title	Select and use advanced and specialized skills to support engineering management for inspection, test and commissioning of electrical installations
2. Code	EMELIT504A
3. Range	Applicable to electrical inspection, test and commissioning work. Select and use a series of advanced and specialized technical skills to support and enhance electrical equipment inspection, test and commissioning work efficiency and quality.
4. Level	5
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand advanced and specialized technical skills in electrical engineering</p> <ul style="list-style-type: none"> ◆ Understand a series of advanced and specialized technical skills in electrical inspection, test and commissioning for electrical projects such as using advanced instruments and equipment, advanced inspection and testing methods and skills, systematic inspection, testing and commissioning procedures, reports and relevant logistics management, selecting innovative instruments and tools, using advanced technologies to perform electrical engineering inspection, testing and commissioning, etc. ◆ Understand the uses and strengths and weaknesses of technologies commonly used for inspection, testing and commissioning <p>6.2 Select and use advanced and specialized skills to support electrical equipment inspection, test and commissioning</p> <ul style="list-style-type: none"> ◆ Analyze, re-organize and assess interlocking relationship of inspection, test and commissioning procedures for every equipment in various types of engineering projects, use advanced and specialized skills to formulate and submit inspection, test and commissioning plans, improvement measures, etc. ◆ Select and use advanced and specialized skills to support established practices in inspection, test and commissioning for electrical projects including using advanced instruments and equipment, advanced inspection and testing methods and skills, systematic inspection, testing and commissioning procedures, reports and relevant logistics management to enhance work efficiency and quality, selecting innovative instruments and tools, using advanced technologies to perform electrical engineering inspection, testing and commissioning, etc.

7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none">(i) Capable to master uses, and strengths and weaknesses of general inspection, test and commissioning technologies; and(ii) Capable to select and use advanced and specialized skills to enhance current electrical inspection, test and commissioning performance and quality.
8. Remarks	