

1. Title	Operate, repair and maintain extra-low voltage installations
2. Code	EMELOR402A
3. Range	Applicable to the installation work of extra-low voltage installations of buildings. Master the operation, repair and maintenance of various kinds of extra-low voltage installations of buildings; formulate plans for the operation, repair and maintenance; and analyze the performance of operation, repair and maintenance of various kinds of installations.
4. Level	4
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand various kinds of installation drawings, operation and maintenance manuals, client's requirements, relevant codes of practice and standards, etc.</p> <ul style="list-style-type: none"> ◆ Understand the methods and steps stipulated in various kinds of installation drawings, and operation and maintenance manuals provided by suppliers ◆ Understand client's requirements, relevant codes of practice and standards, etc. ◆ Understand faults commonly seen in various kinds of installations and the troubleshooting methods <p>6.2 Operate, repair and maintain extra-low voltage installations</p> <ul style="list-style-type: none"> ◆ Formulate plans for the operation, repair and maintenance of extra-low voltage installations according to client's requirements, operation and maintenance manuals provided by suppliers, relevant codes of practice and standards, etc. ◆ Use appropriate instruments, tools and techniques to perform operation, repair and maintenance ◆ Master faults and their causes commonly seen in various kinds of installations, and use appropriate techniques, instruments and tools to troubleshoot them <p>6.3 Professionalism in operating, repairing and maintaining extra-low voltage installations</p> <ul style="list-style-type: none"> ◆ Follow the law and safety guidelines for the industry to ensure that the repair and maintenance of extra-low voltage installations operation are safely performed, and the extra-low voltage installations can be used safely
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to perform operation, repair and maintenance according to various kinds of installation drawings, and operation and maintenance manuals;</p> <p>(ii) Capable to formulate plans for the operation, repair and maintenance of extra-low voltage installations according to client's requirements, operation and maintenance manuals provided by suppliers, relevant codes of practice and standards, etc.; and</p> <p>(iii) Capable to master faults and their causes commonly seen in various kinds of installations, and use appropriate techniques, instruments and tools to perform repair and maintenance.</p>
8. Remarks	