

1. Title	Find out and evaluate faults in distribution transformers
2. Code	EMELOR412A
3. Range	Applicable to daily operation, repair and maintenance management of electrical work. Master the operation and fault conditions of distribution transformers and relevant ancillary facilities, and use various types of appropriate methods to find and evaluate faulty points.
4. Level	4
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Master the knowledge of the operation and fault conditions of distribution transformers and ancillary facilities</p> <ul style="list-style-type: none"> <li>◆ Master the knowledge of the operation and fault conditions, such as abnormal noise, transformer temperature anomalies, mechanical faults in tap changers, transformer temperature monitor failures, insulating oil leakage in transformers, SF6 insulating gas leakage, etc., of distribution transformers and ancillary facilities</li> </ul> <p>6.2 Use appropriate methods to find and evaluate the faulty points of distribution transformers and ancillary facilities</p> <ul style="list-style-type: none"> <li>◆ Analyze repair records for distribution transformer incidents and immediately make a comparison and prelim fault evaluation to on-site operation condition in order to take follow-up actions</li> <li>◆ Isolate faulty distribution transformers and use various types of appropriate instruments such as multi-meter, insulator, pressure tester, injection test instruments, gas tester, etc. to find and evaluate the faulty points of distribution transformers and ancillary facilities</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to master the operation and fault conditions of distribution transformers and ancillary facilities ;</p> <p>(ii) Capable to use various types of appropriate instruments or methods to find and evaluate the faulty points of distribution transformers and ancillary facilities.</p>
8. Remarks	