

1. Title	Supervise the fault repair of train equipment
2. Code	EMRAOR402A
3. Range	Supervise the fault finding and repair of train equipment at train maintenance centres and railway premises so as to ensure the quality and efficiency of the work.
4. Level	4
5. Credits	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Procedures, operation modes of units and supervisory skills of repairing train equipment faults</p> <ul style="list-style-type: none"> <li>◆ Master the fault finding and repair methods and processes of the train equipment, relevant quality requirements, and check point selection techniques</li> <li>◆ Understand the operation modes and culture of units involved in the fault repair of train equipment</li> <li>◆ Possess the knowledge and skills of supervising and supporting electrical and mechanical works</li> </ul> <p>6.2 Methods and procedures of supervising the fault finding and repair of train equipment</p> <ul style="list-style-type: none"> <li>◆ Supervise and support the fault finding and repair of train equipment to ensure the quality and efficiency of work</li> <li>◆ Provide useful opinions to improve the efficiency of finding faults</li> <li>◆ Provide sufficient support for the repair work after identifying the roots of fault</li> <li>◆ Have adequate communication with the designing team and the manufacturer in order to collect information for use in supporting fault finding for trains</li> <li>◆ Analyze train equipment fault symptoms and fault repair records in order to provide information for supporting fault finding for trains</li> <li>◆ Formulate plans for maintaining persistently the quality of fault finding and repair work and for improving its efficiency, including: <ul style="list-style-type: none"> <li>• Providing adequate training for staff</li> <li>• Establishing effective communication channels</li> <li>• Planning for updating and upgrading of fault finding instruments and equipment</li> </ul> </li> </ul> <p>6.3 Professionalism in supervising fault finding and repair of train equipment</p> <ul style="list-style-type: none"> <li>◆ Supervise the fault finding and repair of train equipment according to the standards and requirements for work safety, health, environmental protection and quality management of railway works</li> <li>◆ Understand the safety guidelines as required by the law and codes of practice in finding and repairing train equipment faults</li> </ul>

7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to supervise and support efficiently the fault finding and repair of the train system equipment to ensure that it complies with the code of safety and standards, and that the quality and efficiency of work are up to standard and requirements; to formulate plans for maintaining persistently the quality of fault finding and repair work and for improving its efficiency.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person is familiar with the operation and working principles of train equipment and basic knowledge and skills of supervision.</p>