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| 1. Title      | Supervise the inspection, commissioning and testing of railway overhead feeder system   |
| 2. Code       | EMRAIT408A  |
| 3. Range      | Supervise the inspection, commissioning and testing of the railway overhead feeder system at power control rooms, switch rooms and areas with such system so as to ensure quality, standard and efficiency of work.   |
| 4. Level      | 4   |
| 5. Credits    | 6   |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Procedures, operation modes of units and supervisory skills of inspecting, commissioning and testing railway overhead feeder system equipment</p> <ul style="list-style-type: none"> <li>◆ Master the inspection, commissioning and testing methods and processes of the major equipment of railway overhead feeder system, relevant quality requirements, and check point selection techniques</li> <li>◆ Understand the operation modes and culture of units involved in the inspection, commissioning and testing of railway overhead feeder system</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 inspection, commissioning and testing of railway overhead feeder system and equipment</p> <ul style="list-style-type: none"> <li>◆ Supervise and support the inspection, commissioning and testing of railway overhead feeder system equipment to ensure quality, standard and efficiency of work. Supervisory procedures include: <ul style="list-style-type: none"> <li>• Selecting and monitoring quality check points</li> <li>• Analyzing the causes of non-compliance with standard and formulating improvement measures</li> <li>• Maintaining adequate coordination and communication in the inspection, commissioning and testing processes</li> </ul> </li> <li>◆ Formulate plans for maintaining persistently the quality of inspection, commissioning and testing 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 equipment</li> </ul> </li> </ul> <p>6.3 Professionalism in supervising the inspection, commissioning and testing of railway overhead feeder system equipment</p> <ul style="list-style-type: none"> <li>◆ Supervise the inspection, commissioning and testing of railway overhead feeder system 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 supervising the inspection, commissioning and testing of railway overhead feeder system equipment</li> </ul> |

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| 7. Assessment Criteria | The integrated outcome requirement of this unit of competency is:<br><br>(i) Capable to supervise and support efficiently the inspection, commissioning and testing of the railway overhead feeder system to ensure compliance with safety codes and standards, and quality and efficiency requirements; to formulate plans for maintaining persistently the quality of inspection, commissioning and testing work and for improving its efficiency. |
| 8. Remarks             | The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of the overhead feeder system and equipment and basic knowledge and skills of supervision.   |