

1. Title	Manage the operation of the railway electrical and mechanical system equipment maintenance teams
2. Code	EMRAMA602A
3. Range	Apply the knowledge and techniques of managing, coordinating and supervising maintenance work to manage the operation of maintenance teams according to the service quality required for the maintenance work, ensuring that the overall maintenance quality and efficiency complies with the standard.
4. Level	6
5. Credits	20
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Principles and techniques of managing the operation of the railway electrical and mechanical system equipment maintenance teams</p> <ul style="list-style-type: none"> ◆ Be familiar with the work flow of railway electrical and mechanical system equipment maintenance and know how to choose the best quality control points ◆ Be familiar with the performance requirements for system operation and the specifications and quality required for maintenance ◆ Master the technical requirements for railway electrical and mechanical system equipment maintenance, the manpower information arrangement and the training strategy ◆ Master the techniques of reviewing comprehensively the maintenance work flow, human resources and organizational re-engineering <p>6.2 Methods and procedures of managing the operation of the railway electrical and mechanical system equipment maintenance teams to ensure the overall maintenance quality and efficiency</p> <ul style="list-style-type: none"> ◆ By applying the knowledge and techniques of coordination and supervision, and mastering the technical requirements, specifications and quality for the railway electrical and mechanical system equipment maintenance, monitor the quality check points to ensure maintenance quality and efficiency ◆ Capable to maintain good communication and coordination among all the maintenance teams in the course of system maintenance ◆ Capable to review and analyze the job division of the maintenance teams to enhance the overall maintenance efficiency ◆ Capable to review and improve the structure of the maintenance teams. The procedures include <ul style="list-style-type: none"> • Review the maintenance work flow to improve the structure of the maintenance teams • By referring to quality management model, capable to review and improve the structure of the maintenance teams

	<ul style="list-style-type: none"> ◆ Formulate plans for persistently improving the system maintenance quality and efficiency, including <ul style="list-style-type: none"> • Coordinating all the maintenance teams in keeping the same direction and objective for maintenance • Negotiating with staff on formulation of training programmes and providing adequate training for them • Establishing good communication channels • Planning maintenance equipment update and upgrade <p>6.3 Professionalism in managing the operation of the railway electrical and mechanical system equipment maintenance teams</p> <ul style="list-style-type: none"> ◆ Manage the operation of the railway electrical and mechanical system equipment maintenance teams according to the standards and requirements for safety, health, environmental protection and quality management of railway works ◆ Understand the safety guidelines as required by the law and codes of practice in managing the operation of the railway electrical and mechanical system equipment maintenance teams
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <ul style="list-style-type: none"> (i) Capable to manage the operation of the railway electrical and mechanical system equipment maintenance teams effectively, ensuring the overall maintenance quality and efficiency; and (ii) Capable to formulate effective plans for persistently improving the quality and efficiency of the railway electrical and mechanical system equipment maintenance.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses professional knowledge of electrical and mechanical engineering and management.</p>