

1. Title	Plan, organize and coordinate maintenance work for railway signal and control system equipment
2. Code	EMRAMA509A
3. Range	Plan, organize and coordinate maintenance work for major equipment of the railway signal and control system by applying knowledge and techniques of planning, organizing and coordination as well as familiarity with different maintenance levels and maintenance cycles for major equipment of the railway signal and control system and their content in order to guarantee the smooth execution of maintenance work.
4. Level	5
5. Credits	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of planning, organizing and coordinating maintenance work for railway signal and control system equipment</p> <ul style="list-style-type: none"> ◆ Be familiar with the information about maintenance cycles for major equipment of the railway signal and control system, and master knowledge and techniques of formulating a scheduling mechanism for different maintenance levels for major equipment of the system ◆ Understand the operation mode and culture of different units engaged in the maintenance works and operation of railway signal and control system ◆ Master human relations, and knowledge and techniques in communicating and coordinating with railway engineering and operational departments ◆ Be familiar with the content and workflow of maintenance for major equipment of the railway signal and control system, and master the technique of calculating time for maintenance ◆ Master knowledge and techniques of formulating a mechanism for keeping repair and maintenance records <p>6.2 Method and procedures of planning, organizing and coordinating maintenance work for railway signal and control system equipment</p> <ul style="list-style-type: none"> ◆ Capable to formulate a mechanism for scheduling different maintenance levels for major equipment of the railway signal and control system according to their maintenance cycles ◆ Capable to coordinate different engineering departments engaged in railway signal and control system equipment maintenance and determine the actual time, manpower, equipment and materials required for maintenance by referring to the content of different levels of railway signal and control system equipment maintenance and the actual operation record and condition of the equipment ◆ Capable to coordinate different departments engaged in railway signal and control system equipment maintenance works and railway operation to arrange the scheduled level of maintenance work for major equipment of the system according to the schedule of the maintenance plan

	<ul style="list-style-type: none"> ◆ Capable to formulate a mechanism for keeping repair and maintenance records to facilitate the efficient storage and retrieval of information <p>6.3 Professionalism in planning, organizing and coordinating maintenance work for railway signal and control system equipment</p> <ul style="list-style-type: none"> ◆ Capable to plan, organize and coordinate maintenance work for railway signal and control system equipment according to the standards and requirements for work safety, health, environmental protection and quality management of railway works ◆ Understand the safety guidelines as required by the law and codes of practice in planning, organizing and coordinating maintenance work for railway signal and control system equipment
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <ul style="list-style-type: none"> (i) Capable to formulate maintenance plans for major equipment of the railway signal and control system and arrange the equipment to undergo the planned maintenance work effectively; and (ii) Capable to formulate a mechanism for keeping railway signal and control system equipment repair and maintenance records effectively, a mechanism that can facilitate the efficient storage and retrieval of information.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses professional knowledge of railway signal and control system engineering and management skills.</p>