

1. Title	Perform routine train equipment cleaning and lubrication for maintenance
2. Code	EMRAMA101A
3. Range	Clean the mechanical equipment and exposed insulation devices of trains at train maintenance centres, and add correct amount of lubricating grease to the electrical and mechanical equipment of trains.
4. Level	1
5. Credits	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Classification and functions of cleaning materials, machinery lubricating grease; and names and functions of major train equipment</p> <ul style="list-style-type: none"> ◆ Understand the functions of materials commonly used for cleaning mechanical equipment and electrical insulation devices and precautions for using them ◆ Identify lubricating grease commonly used for electrical and mechanical equipment and understand their uses ◆ Memorize the names and basic functions of major train equipment <p>6.2 Methods and procedures of cleaning mechanical equipment of trains and adding lubricating grease to electrical and mechanical equipment of trains</p> <ul style="list-style-type: none"> ◆ By complying with the requirements on occupational safety and health and environmental protection, clean the mechanical equipment and exposed insulation devices of trains correctly with the following procedures <ul style="list-style-type: none"> • Follow the code of safety on working under and on top of the train • Choose correct cleaning material for use • Dilute and use the cleaning material correctly • Choose cleaning rag correctly • Carry out correct cleaning procedures • Store, handle and dispose cleaning material correctly ◆ By complying with the requirements on occupational safety and health and environmental protection, add lubricating grease to electrical and mechanical equipment of trains correctly with the following procedures <ul style="list-style-type: none"> • Follow the code of safety on working under and on top of the train • Prepare the lubricating grease correctly • Follow the instructions to add suitable amount of lubricating grease to the electrical and mechanical equipment of trains from the nozzles or other inlets correctly • Store, handle and dispose lubricating grease correctly • Use general cleaning and grease injecting tools effectively

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to choose cleaning liquid and materials correctly, and clean the mechanical equipment and exposed insulation devices of trains effectively with correct procedures; and (ii) Capable to choose lubricating grease correctly, and use greasing guns efficiently to add suitable amount of lubricating grease to mechanical equipment such as train bogie bearings and couplers.
8. Remarks	