

1. Title	Maintain train bogies, gangways and couplers
2. Code	EMRAMA306A
3. Range	Maintain train bogies, gangways and couplers at train maintenance centres according to maintenance instructions by applying maintenance techniques for mechanical equipment.
4. Level	3
5. Credits	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Working principles of train bogies, gangways and couplers and their maintenance standards</p> <ul style="list-style-type: none"> ◆ Understand the structure and working principles of the train bogies, gangways and couplers ◆ Understand the scope and standards for different levels of maintenance <p>6.2 Method and procedures of maintaining train bogies, gangways and couplers</p> <ul style="list-style-type: none"> ◆ Able to read maintenance instructions and select suitable information for use ◆ Capable to maintain and adjust train bogies including power car bogies and trailer car bogies; and bogie components including the mechanical structure of bogie, bearing and axle, primary suspension system, secondary suspension system and shock absorption device according to maintenance instructions by applying maintenance techniques for mechanical equipment ◆ Capable to maintain and adjust the following train gangway components according to maintenance instructions by applying maintenance techniques for mechanical equipment <ul style="list-style-type: none"> • Gangway mechanical locking devices • Gangway internal installations • Gangway coupling devices ◆ Capable to maintain and adjust automatic couplers and bar couplers according to maintenance instructions by applying maintenance techniques for mechanical equipment ◆ Capable to make effective use of typical tools and instruments for maintaining electrical and mechanical equipment <p>6.3 Professionalism in maintaining the train bogies, gangways and couplers</p> <ul style="list-style-type: none"> ◆ Capable to follow the requirements of maintenance instructions to ensure that the procedures and quality of maintenance are up to standard ◆ Understand the safety guidelines and codes of practice for railway engineering in handling maintenance for the train bogies, gangways and couplers

7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <ul style="list-style-type: none"> (i) Capable to check bogie bearing, measure and record the outlook of wheels and adjust the primary and secondary suspension systems correctly and efficiently according to maintenance instructions; (ii) Capable to adjust the height of gangways correctly and efficiently correctly and efficiently according to maintenance instructions; and (iii) Capable to adjust the height of automatic couplers and test their locking devices correctly and efficiently according to maintenance instructions.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic mechanical knowledge and fitting techniques.</p>