

1. Title	Overhaul lift cars and counterweights	
2. Code	EMLEOR317A	
3. Range	Arrange and implement overhauls of lift cars and counterweights at field locations.	
4. Level	3	
5. Credit	3	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <div> <div> 6.1 Structure of lift cars and counterweights </div> <div> <ul style="list-style-type: none"> ◆ Understand the structure of different lift cars including: single wrap with roping ratio 1:1 and 2:1 <ul style="list-style-type: none"> • double wrap with roping ratio 1:1 and 2:1 ◆ Understand the structure of different counterweights including: <ul style="list-style-type: none"> • single wrap with roping ratio 1:1 and 2:1 • double wrap with roping ratio 1:1 and 2:1 </div> </div> <div> <div> 6.2 Overhaul methods and procedures for lift cars and counterweights </div> <div> <ul style="list-style-type: none"> ◆ Formulate overhaul procedure lists for different lift cars and counterweights including: <ul style="list-style-type: none"> • cars using different roping methods • counterweights using different roping methods ◆ Implement and assign full shutdown and restart work for different lift cars and counterweights including: <ul style="list-style-type: none"> • safety preparation works for temporarily adjustment the weights of counterweight • safety preparation works for shutdown • safety works for prevention creeping of lift car • safety works of resumption operation ◆ Effectively use different tools to implement and assign completed disassembly and assembly work for different lift cars and counterweights including: <ul style="list-style-type: none"> • car roof panels • car wall panels • car platform • car door sill • car apron • car door hanger • car door guiding device • car door and car door frame • counterweight frame and counterweight block </div> </div>	

	<p>6.3 Professionalism in completed disassembly and assembly of cars and counterweights</p> <ul style="list-style-type: none"> ◆ Apply manufacturer's repair instructions and the code of practice for lift work safety to implement and assign completed disassembly and assembly work for different lift cars and counterweights ◆ Apply the code of practice for lift design and construction to implement and assign completed testing work for different cars including: car ventilation <ul style="list-style-type: none"> • balance load setting for car and counterweight • traction • overload protective device • braking system • safety gear
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to arrange and assign completed disassembly, assembly and testing procedures for different lift cars and counterweights systematically and through effective communication; and (ii) Capable to implement completed disassembly, assembly and testing works for different lift cars and counterweights under general or complicated situations in compliance with the prescribed standards of repair.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge and skills in overhauling general lift cars and counterweights.</p>