

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> <p>6.1 Structure of lift cars and counterweights</p> <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 <p>6.2 Overhaul methods and procedures for lift cars and counterweights</p> <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 adjust 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

	<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
<p>7. Assessment Criteria</p>	<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.
<p>8. Remarks</p>	<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>