

1. Title	Overhaul general lift cars and counterweights
2. Code	EMLEOR217A
3. Range	Overhaul lift cars and counterweights (single wrap with roping ratio 1:1 and carrying capacity 680kg or below) under general situations at field locations.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure of lift car and counterweight</p> <ul style="list-style-type: none"> <li>◆ Understand the mechanical structure of general cars including: <ul style="list-style-type: none"> <li>• carrying capacity 680kg or below</li> <li>• single wrap with roping ratio 1:1</li> </ul> </li> <li>◆ Understand the mechanical structure of general counterweights including: <ul style="list-style-type: none"> <li>• carrying capacity 680kg or below</li> <li>• single wrap with roping ratio 1:1</li> </ul> </li> </ul> <p>6.2 Methods and procedures of overhaul car and counterweight</p> <ul style="list-style-type: none"> <li>◆ Enable to correctly carry out the preparation and resumption works for cars and counterweights (carrying capacity 680kg or below) including: <ul style="list-style-type: none"> <li>• the preparation work of modulation the weights of counterweight</li> <li>• the work of shutdown procedures</li> <li>• the safety work of prevention creeping</li> <li>• the work of resumption of operation</li> </ul> </li> <li>◆ Use general tools effectively to disassemble and assemble car and counterweight (carrying capacity 680kg or below) including: <ul style="list-style-type: none"> <li>• car roof panels</li> <li>• car wall panels</li> <li>• car platform</li> <li>• car door sill</li> <li>• car apron</li> <li>• car door hanger</li> <li>• car door rail</li> <li>• car door panels and car door frame</li> <li>• counterweight frame and counterweight weights</li> </ul> </li> </ul>

	<p>6.3 Professionalism in disassembling and assembling car and counterweight (single wrap with roping ratio 1:1)</p> <ul style="list-style-type: none"> <li>◆ Follow manufacturer’s repair instructions and the code of practice for lift work safety to disassemble and assemble car and counterweight (carrying capacity 680kg or below)</li> <li>◆ Understand manufacturer’s repair instructions and the code of practice for lift design and construction to test cars (carrying capacity 680kg or below) including: <ul style="list-style-type: none"> <li>• ventilation and air change of lift car</li> <li>• balance load ratio between car and counterweight</li> <li>• traction</li> <li>• overload protection device</li> <li>• braking system</li> <li>• safety gear</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to systematically and efficiently disassemble, assemble and test lift cars and counterweights (single wrap with roping ratio 1:1 and carrying capacity 680kg or below) in compliance with the prescribed standards of repair.</p>
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 maintaining general lift car and counterweight.</p>