

1. Title	Maintain lift suspension ropes and compensation ropes
2. Code	EMLEOR308A
3. Range	Arrange and implement the maintenance of lift suspension ropes and compensation ropes at field locations.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Types and structure of lift suspension ropes and compensation ropes</p> <ul style="list-style-type: none"> ◆ Understand different kinds of suspension rope and different kinds of compensation rope including: <ul style="list-style-type: none"> • ordinary lay suspension ropes • ordinary lay compensation ropes • regular lay suspension ropes • regular lay compensation ropes ◆ Understand the structure of different kinds of suspension rope and compensation rope including : <ul style="list-style-type: none"> • fiber core • steel strand • steel wire ◆ Understand the headroom calculation for different cars and counterweights Understand the types of rope terminal devices <p>6.2 Methods and procedures of maintaining suspension ropes and compensation ropes</p> <ul style="list-style-type: none"> ◆ Know the repair and maintenance of suspension ropes and compensation ropes, including the procedures of inspection, cleaning, oiling and testing ◆ Know the repair and maintenance of suspension ropes and compensation ropes including: <ul style="list-style-type: none"> • rope tension • rope termination devices • rope diameter • rope wear ◆ Arrange and implement maintenance instructions for lift suspension ropes and compensation ropes ◆ Effectively use repairing and testing instruments and tools <p>6.3 Professionalism in maintaining lift suspension ropes and compensation ropes</p> <ul style="list-style-type: none"> ◆ Follow manufacturer’s maintenance instructions to arrange and implement the maintenance of suspension ropes and compensation ropes ◆ Understand the requirements of safety guidelines and the code of practice for lifts in order to perform the maintenance of suspension ropes and compensation ropes

7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to master the construction and key points of repair and maintenance of suspension ropes and compensation ropes; (ii) Capable to systematically and effectively complete the repair and maintenance of lift suspension ropes and compensation ropes; (iii) Capable to arrange and implement the maintenance instructions for lift suspension ropes and compensation ropes; and (iv) Capable to follow manufacturer's maintenance instructions to arrange and implement the maintenance of suspension ropes and compensation ropes.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of maintaining general lift suspension ropes and compensation ropes.</p>