

1. Title	Install lift compensation devices
2. Code	EMLEIN307A
3. Range	Arrange and implement the installation of lift compensation devices at construction sites.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Types, structure, working principles and installation drawings of lift compensation devices</p> <ul style="list-style-type: none"> <li>◆ Understand different kinds of compensation device including: <ul style="list-style-type: none"> <li>• single end compensation</li> <li>• single end with double compensation</li> <li>• balance compensation</li> </ul> </li> <li>◆ Understand the structure and working principles of different kinds of compensation device including: <ul style="list-style-type: none"> <li>• compensation chains</li> <li>• compensation ropes</li> </ul> </li> <li>◆ Understand the installation drawings of different kinds of compensation device including: <ul style="list-style-type: none"> <li>• single end compensation chains</li> <li>• single end with double compensation chains</li> <li>• balance compensation chains</li> <li>• balance compensation ropes</li> </ul> </li> </ul> <p>6.2 Installation methods and procedures for compensation devices</p> <ul style="list-style-type: none"> <li>◆ Formulate the installation procedure lists for different kinds of compensation device including: <ul style="list-style-type: none"> <li>• compensation chains</li> <li>• compensation ropes</li> </ul> </li> <li>◆ Effectively use different kinds of lifting gears to implement and assign the completed lifting work for compensation rope tension pulley</li> <li>◆ Effectively use different tools and installation drawings to implement and assign the completed installation works for compensation rope and chain</li> </ul>

	<p>6.3 Professionalism in full installation of compensation devices</p> <ul style="list-style-type: none"> <li>◆ Apply manufacturer’s installation instructions and the code of practice for lift work safety to implement and assign the completed installation work for compensation chains and compensation ropes</li> <li>◆ Apply manufacturer’s installation instructions and the code of practice for lift design and construction to implement and assign the completed testing work for compensation chains and compensation ropes including: <ul style="list-style-type: none"> <li>• compensation rope suspension device</li> <li>• attachment and termination of compensation rope</li> <li>• compensation rope relaxation device</li> <li>• compensation rope anti-rebound device</li> <li>• tensioners between compensation ropes</li> <li>• safety guards for prevention objects falling into the grooves of pulley</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to arrange and assign completed installation and testing procedures for lift compensation chains and compensation ropes systematically and through effective communication; and</li> <li>(ii) Capable to implement completed installation and testing for lift compensation chains and compensation ropes under general or complicated situations in compliance with the prescribed standards.</li> </ul>
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 installing general lift suspension ropes.</p>