

1. Title	Install lift car and counterweight
2. Code	EMLEIN305A
3. Range	Arrange and implement the installation of lift car and counterweight at construction sites.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and installation drawings of lift car and counterweight</p> <ul style="list-style-type: none"> ◆ Understand the structures of different kinds of lift car including: <ul style="list-style-type: none"> • single wrap and roping ratio 1:1 and 2:1 • double wrap and roping ratio 1:1 and 2:1 ◆ Understand the structures of different kinds of counterweight including: <ul style="list-style-type: none"> • single wrap and roping ratio 1:1 and 2:1 • double wrap and roping ratio 1:1 and 2:1 <p>Understand the installation drawings of different kinds of lift car and counterweight including: single wrap and roping ratio 1:1 and 2:1</p> <ul style="list-style-type: none"> • double wrap and roping ratio 1:1 and 2:1 <p>6.2 Installation methods and procedures for car and counterweight</p> <ul style="list-style-type: none"> ◆ Formulate the installation procedure lists for different kinds of lift car and counterweights including: <ul style="list-style-type: none"> • different wrapping and roping ratio of lift cars • different wrapping and roping ratio of counterweights ◆ Effectively use different kinds of lifting gear to implement and assign completed supporting and lifting works for different kinds of lift car and counterweight including: <ul style="list-style-type: none"> • decision the height of scaffolding in the lift well • erection the supporting frames in the lift well for lift cars and counterweights • Safety lifting of car assemblies and counterweight assemblies using different kinds of roping method

	<p>6.3 Professionalism in full installation of car and counterweight</p> <ul style="list-style-type: none"> ◆ Effectively use different tools to implement and assign completed installation work for different kinds of lift car and counterweight including: <ul style="list-style-type: none"> • car roof panels • car wall panels • car platform • car door sill • car apron • car door suspension devices • car door rails • car door and car door frame • counterweight frame and counterweight block ◆ Apply manufacturer’s installation instructions and the code of practice for lift work safety to implement and assign completed installation work for different kinds of lift car and counterweight ◆ Apply the code of practice for lift design and construction to implement and assign completed testing work for different kinds of car including: <ul style="list-style-type: none"> • car ventilation • balance load ratio between car and counterweight • traction • overload protection 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 installation and testing procedures for different kinds of lift car and counterweight systematically and through effective communication; and (ii) Capable to implement completed installation and testing for different kinds of lift car and counterweight under general or complicated situations in compliance with the prescribed standards.
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 car and counterweight.</p>