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		Performance Requirements
	6.1 Structure and installation drawings of lift car and counterweight	♦ Understand the structures of different kinds of lift car including: • 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: • single wrap and roping ratio 1:1 and 2:1 • double wrap and roping ratio 1:1 and 2:1 Understand the installation drawings of different kinds of lift car and counterweight including: single wrap and roping ratio 1:1 and 2:1 • double warp and roping ratio 1:1 and 2:1
	6.2 Installation methods and procedures for car and counterweight	♦ Formulate the installation procedure lists for different kinds of lift car and counterweights including: • different wraping and roping ratio of lift cars • different wraping 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: • 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

		♦ Effectively use different tools to implement and assign completed installation work for differernt kinds of lift car and counterweight including: • 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
	6.3 Professionalism in full installation of car and counterweight	♦ 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 dfferent kinds of car including: • car ventilation • balance load ratio between car and counterweight • traction • overload protection device • braking system • safety gear
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (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	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.	