

1. Title	Perform the check work of lifts
2. Code	EMLEIT303A
3. Range	Arrange and implement the check work of lifts at construction sites.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Installation and check drawings of lift devices</p> <ul style="list-style-type: none"> ◆ Understand the installation requirements for lift devices in machine room including: <ul style="list-style-type: none"> • different kinds of overspeed governor • different kinds of control cabinet • different kinds of traction machine ◆ Understand the installation requirements for landing devices including: <ul style="list-style-type: none"> • locking devices • landing door sill • landing doors hanger devices • landing doors guides • landing door panel and frame • landing display and landing call button ◆ Understand the installation requirements for the devices inside the lift shaft including: <ul style="list-style-type: none"> • levelling device • guide rails and guide brackets for lift car • guide rails and guide brackets for counterweight • terminal slowdown devices (TSD) • monitor deceleration switch device ◆ Understand the installation requirements for the devices in the lift pit including: <ul style="list-style-type: none"> • safety screen of counterweight • car buffers • counterweight buffers • stopping devices

- ◆ Understand the installation requirements for car assemblies including:
 - car roof panels
 - car wall panels
 - car platform
 - car door sill
 - guide-shoes
 - car apron
 - car door hanger devices
 - car door guides
 - car door and car frame
 - counterweight frame and counterweight block
 - mechanism between overspeed governor and safety gear
- ◆ Understand the installation requirements for counterweight assemblies including:
 - counterweight block
 - guide-shoes
 - counterweight frame and pulley
 - mechanism between overspeed governor and safety gear
- ◆ Understand the installation requirements for suspension ropes between car and counterweight including:
 - termination of ropes
 - laying of ropes
 - rope tension test
- ◆ Understand the installation requirements for compensation ropes between car and counterweight including:
 - termination of compensation chains
 - laying of compensation chains
 - termination of compensation ropes
 - laying of compensation ropes
 - compensation rope tension devices
- ◆ Understand the installation requirements for safety ropes of car and counterweight including:
 - termination of safety ropes
 - laying of safety ropes
 - safety ropes tension devices

	<ul style="list-style-type: none"> ◆ Understand the headroom dimensions calculation for lifts and counterweight including: <ul style="list-style-type: none"> • top clearance of lift car • further guided distance of guid-rail for lift car • the free vertical distance between the level of the highest area on the car roof • the free vertical distance from the highest equipment at car top to the lowest part of well • bottom clearances in lift pit • further guided distance of guid-rail for counterweight • the free vertical distance from the lowest equipment at car top to the lowest part of well ◆ Understand check drawings of the devices including: <ul style="list-style-type: none"> • the devices in machine room • the devices in landings • the devices inside the lift shaft • the devices in lift pit • the devices of car and counterweight • tallations <p>6.2 Methods and procedures of check works for lifts</p> <ul style="list-style-type: none"> ◆ Formulate check procedures of the devices including: <ul style="list-style-type: none"> • the devices in machine room • the devices in landings • the devices inside the lift shaft • the devices in lift pit • the devices of car and counterweight ◆ Effectively use different kinds of tools, instruments and check drawings to implement and assign completed check works for different devices of lifts <p>6.3 Professionalism in completed installation check of lifts</p> <ul style="list-style-type: none"> ◆ Apply manufacturer’s installation check instructions and the code of practice for lift design and construction to implement and assign completed check works for different devices of lifts
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 check procedures for different devices of lift systematically and through effective communication; and (ii) Capable to implement completed check procedures for different devices of lift 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 implementing the installation of mechanical and electrical installations of lifts.</p>