



Australian Government

Department of Education, Employment and Workplace Relations

TLI41910 Certificate IV in Mobile Crane Operations

Release: 1

TLI41910 Certificate IV in Mobile Crane Operations

Modification History

Not Applicable

Description

Rationale:

This qualification is designed for mobile crane operation job roles within the Transport and Logistics and other industries. Successful completion of the qualification will require competence in units of competency that relate to the job role requirements defined as aligned at AQF Level IV. Successful completion of the high risk work and heavy vehicle licensing units within the qualification must align with licensing and regulatory requirements applicable to relevant national, state and territory regulatory requirements.

Pathways Information

Not Applicable

Licensing/Regulatory Information

Refer to Description

Entry Requirements

Entry requirements:

There are no entry requirements for this qualification.

Employability Skills Summary

Employability Skills Summary for TLI41910 Certificate IV in Mobile Crane Operations

The following table contains a summary of the employability skills as identified by the Transport and Logistics Industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none">• Establish and implement communication systems and procedures required for mobile cranes operations• Listen to and interpret verbal information related to mobile cranes operations• Read and interpret relevant regulations, instructions, signs and labels applicable to mobile cranes operations• Speak clearly and directly on diverse and complex matters related to mobile cranes operations• Write documents as part of duties, including completion of relevant forms, maintenance schedules and accident and incident reports• Negotiate complex issues with others in the course of mobile cranes operations• Recognise and interpret non-verbal signs, signals and behaviour• Use relevant communication equipment and methods.
Teamwork	<ul style="list-style-type: none">• Provide leadership to personnel involved in mobile cranes operations• Motivate others in the workplace• Collaborate with others in the course of mobile cranes operations• Manage the resolution of any interpersonal conflicts that may arise during mobile cranes operations• Manage the avoidance and prevention of harassment of others in the workplace• Manage persons of different ages, gender, race, religion, political persuasion, etc.

Employability Skill**Industry/enterprise requirements for this qualification include:****Problem solving**

- Identify and solve or report complex problems arising in the course of mobile cranes operations
- Monitor and anticipate problems that may occur in the course of mobile cranes operations including hazards and risks and take appropriate action to report or resolve the problems within limits of responsibility
- Manage the control of hazards and risks in a range of complex and diverse situations that may arise during mobile cranes operations
- Use mathematics to solve problems such as various calculations related to a wide range of mobile cranes operations.

TLI41910 Certificate IV in Mobile Crane Operations (continued)**Employability Skill****Industry/enterprise requirements for this qualification include:****Initiative and enterprise**

- Modify activities dependent on differing mobile cranes operational situations and contingencies
- Take appropriate initiatives in a diverse range of operational situations such as those above
- Manage the response to any changes in equipment, standard operating procedures and the working environment.

Planning and organising

- Implement and monitor operational and emergency plans, systems and procedures
- Implement and monitor systems and procedures for maintaining compliance with regulations and codes of practice
- Monitor the implementation of the workplace security and safety management systems (where applicable)
- Monitor and evaluate operational performance and compliance
- Collect and interpret information needed when supervising mobile cranes operations
- Organise and plan own supervisory activities
- Manage time and priorities in the course of mobile cranes operations.

Self management

- Interpret and apply relevant regulations and instructions
- Establish and follow own work plans and schedules
- Evaluate and monitor own work performance.

Learning

- Organise learning and assessment activities for others in the workplace

Employability Skill**Industry/enterprise requirements for this qualification include:**

- Manage adaptation of others in the workplace to any changes in mobile cranes systems, equipment and procedures and the workplace operating environment
 - Instruct, coach or mentor others in the workplace as required
 - Contribute to the assessment of the competence of others in the workplace
 - Assist in creating a learning environment in the workplace
 - Adapt own competence in response to any changes in mobile cranes operations
 - Update own knowledge and skills required for mobile cranes supervisory activities.
- Technology**
- Use complex equipment and systems required during mobile cranes operations
 - Implement and monitor operational and maintenance procedures and systems for equipment used during mobile cranes operations
 - Implement and monitor the application of OH&S procedures when supervising the use of mobile cranes and related equipment.

Packaging Rules**Requirements for completion of the qualification:**

A successful assessment outcome for a total of **18 units** of competency comprising:

- **8 core units** listed below

plus

- **2 core** high risk licence units and **1 elective** high risk work license unit, listed below

plus

- **7 elective units** which may be taken from the elective units listed below, or may include up to **3 imported units** which may be selected from qualifications at the same level or one higher in this Training Package or any other endorsed Training Package or accredited course.

Requirements for completion of units within this qualification:

Where imported units are selected care must be taken to ensure that all pre-requisites specified in the unit are complied with.

The following units have pre-requisite:

- CPCCCM1006A Work safely at height
- CPCCCM3003A Work safely around power sources, services and assets
- CPCCLRG3002A Licence to perform rigging intermediate level
- HLTFA402B Apply advanced first aid

Licensing requirements will apply to this unit of competency depending on the regulatory requirements of each jurisdiction.

- CPCCOHS1001A Work safely in the construction industry

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Requirements for completion of HRW license units within this qualification:

To comply with the National Standards for High Risk Work there is a requirement to complete the high risk work license for TLILIC3006A Licence to operate a non slewing mobile crane (greater than 3 tonnes capacity) before commencing before commencing the selected slewing mobile crane license unit.

Completion of the licensing units is a requirement; however applying for a high risk work license for TLILIC3006A Licence to operate a non slewing mobile crane (greater than 3 tonnes capacity) is not a requirement if the selected mobile slewing crane licence is being applied for as this licence covers the TLILIC3006A Licence to operate a non slewing mobile crane.

Core units:

Field	Unit
B Equipment Checking and Maintenance	TLIB3013A Maintain mobile cranes
D Load Handling	TLID1001A Shift materials safely using manual handling methods
E Communication and Calculation	TLIE2008A Process workplace documentation
F Safety Management	CPCCCM1006A Work safely at heights CPCCCM3003A Work safely around power sources, services and assets TLIF2006A Apply accident-emergency procedures TLIF3084A Follow mobile crane safety procedures
U Environment	TLIU1009A Monitor plant and equipment in an environmentally sustainable manner

Core High Risk Work Licensing units:

Field	Unit
LIC Licensing Units	TLILIC3006A Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity) CPCCLRG3002A Licence to perform rigging intermediate level

Elective High Risk Work Licensing units:

Field	Unit
LIC Licensing Units	TLILIC4009A Licence to operate a slewing mobile crane (up to 60 tonnes) TLILIC4010A Licence to operate a slewing mobile crane (up to 100 tonnes) TLILIC4011A Licence to operate a slewing mobile crane (over 100 tonnes)

TLI41910 Certificate IV in Mobile Crane Operations (continued)**Elective units:**

Field	Unit
A Handling Cargo/Stock	TLIA1001A Secure cargo
B Equipment Checking and Maintenance	TLIB1001A Check and assess operational capabilities of equipment TLIB3011A Set up and rig crane for lift TLIB3012A Plan job and set up work areas TLIB3015A Undertake site inspection TLIB3016A De-rig, pack and store tools and equipment
C Vehicle Operation	TLIC3010A Pilot or escort oversized and/or overmassed loads TLIC3004A Drive heavy rigid vehicle TLIC3005A Drive heavy combination vehicle TLIC4006A Drive multi-combination vehicle
D Load Handling	TLID3031A Rig load TLID4032A Plan and conduct specialised lift

Field	Unit
E Communication and Calculation	TLIE3009A Use pilot and escort communication
F Safety Management	TLIF1002A Conduct housekeeping activities TLIF2010A Apply fatigue management strategies HLTF301B Apply first aid HLTF402B Apply advanced first aid CPCCOHS1001A Work safely in the construction industry
LIC Licensing Unit	TLILIC2005A Licence to operate a boom-type elevating work platform (boom length 11 meters or more)
P Administration and Finance	TLIP4010A Assess lift requirements and provide quotation