



Australian Government

TLID0003 Control lift and movement of crane

Release: 1

TLID0003 Control lift and movement of crane

Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to control the lift and movement of a crane when the load is out of the crane operator's view in accordance with workplace principles, procedures and regulations.

It includes providing lift instructions to the crane operator using appropriate communication methods, monitoring the lift, and placing and securing a load.

Work must be carried out in compliance with the relevant state/territory authority licence/permit requirements and regulations for operating mobile cranes up to and including 20 tonnes.

Work is performed with limited or minimum supervision, and with limited accountability and responsibility for self and others in achieving prescribed outcomes.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

D – Load Handling

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Provide lift instructions

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Load movement is performed in accordance with planned hazard prevention and control measures in line

- with manufacturer specifications and workplace procedures
- 1.2** Agreed communication and signal methods are used to safely coordinate load movement
 - 1.3** Clear, precise and concise verbal communication and signals are used
 - 1.4** All relevant parameters are taken into account in instructions to ensure a safe, stable and smooth lift
- 2 Monitor lift**
- 2.1** Load is constantly monitored to ensure it remains stable
 - 2.2** Load conditions that may affect continuing stability are identified and monitored
 - 2.3** Temporary bracing and/or load support is maintained until continuing stability is ensured
 - 2.4** Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
 - 2.5** Site emergency workplace procedures are followed
- 3 Place and secure load**
- 3.1** Appropriate materials for fixing and anchoring the load are checked and selected in line with manufacturer specifications
 - 3.2** Appropriate fixing methods are used to secure load in line with manufacturer specifications and guidelines
 - 3.3** Temporary securing is installed where hazards and weather conditions may vary during the load movement

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to TLID3040 Control lift and movement of crane.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLID0003 Control lift and movement of crane

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- communicating effectively with others
- identifying and correctly using relevant equipment
- interpreting and acting on communication signals, including:
 - hoist down - hand and whistle and 2-way radio
 - hoist up - hand and whistle and 2-way radio
 - luff boom down - hand and whistle and 2-way radio
 - luff boom up - hand and whistle and 2-way radio
 - slew left - hand and whistle and 2-way radio
 - slew right - hand and whistle and 2-way radio
 - stop - hand and whistle and 2-way radio
 - telescope in - hand and whistle and 2-way radio (where manufacturer requirements allow)
 - telescope out - hand and whistle and 2-way radio (where manufacturer requirements allow)
- interpreting relevant instructions, procedures, information, technical data, manuals and signs
- monitoring work activities in terms of planned schedule and modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to differences in equipment in accordance with operating procedures
- operating electronic communications equipment to required protocol
- planning own work, predicting consequences and identifying improvements
- prioritising and multi-tasking work
- using personal protective equipment (PPE) in accordance with workplace procedures

- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- communication systems used during a lift
- communication signals, including:
 - stop - hand
 - stop - whistle
 - hoist up - hand
 - hoist up - whistle
 - hoist down - hand
 - hoist down - whistle
 - luff boom down - hand
 - luff boom down - whistle
 - luff boom up - hand
 - luff boom up - whistle
 - telescope out - hand
 - telescope out - whistle
 - telescope in - hand
 - telescope in - whistle
 - slew left - hand
 - slew left - whistle
 - slew right - hand
 - slew right – whistle
- mobile crane applications, capacities, configurations, safety hazards and control mechanisms
- operational work systems and equipment
- problems that may occur during a lift and associated actions that can be taken to address these problems
- relevant road rules, regulations, permit and licence requirements for mobile crane operations
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- risks and hazards involved in mobile crane operations and associated actions that can be taken to eliminate or minimise risks
- workplace procedures for controlling lifting and moving a mobile crane.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include:

- relevant materials, tools, equipment and PPE
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals.

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