



Australian Government

TLID4030 Supervise mobile crane operations

Release: 1

TLID4030 Supervise mobile crane operations

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 supervise mobile crane operations, in compliance with the licence/permit to perform high risk work requirements and relevant state/territory regulations for mobile crane operations.

It includes implementing the operational plan for a mobile crane lift, directing operations, supporting crane personnel in their work, and negotiating and resolving site problems on request.

Work is performed under general supervision. It involves the application of some judgement and routine principles and procedures when supervising mobile crane operations.

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 describe the essential outcomes.

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

1 Implement operational plan

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| 1.1 | Checks are made that customer has fulfilled agreed obligations and required personnel and equipment are on site |
| 1.2 | Plan is implemented in accordance with legislative and |

		workplace requirements
	1.3	Check is made that hazards have been identified and hazard control strategies implemented
2 Direct operations	2.1	Customer is kept advised of changes to operation method and concerns are addressed promptly
	2.2	Crane personnel are encouraged to provide input to the operation
	2.3	Options for unexpected situations are developed and discussed with site and crane personnel
	2.4	Emergency situations are responded to in line with workplace procedures in a manner that minimises risk to personnel and equipment
	2.5	Responsibilities of crane personnel are clarified throughout operation
	2.6	Crane personnel are coordinated and directed to ensure safe and efficient operation
3 Support crane personnel	3.1	Assistance with rigging/operating duties is provided as required in accordance with legislative and site requirements
	3.2	Additional equipment and personnel are arranged as necessary in line with legislative requirements
	3.3	Facilities and amenities are arranged as necessary
4 Resolve site problems on request	4.1	Where feasible, problem is clarified prior to site visit to enable prioritising of work
	4.2	Problem is assessed through on-site consultation with crane personnel
	4.3	Customer's perspective on the problem is sought as required
	4.4	Decision is made regarding appropriate solutions to problems, taking into account safety and workplace requirements, and customer expectations
	4.5	Action to be taken is agreed with crane personnel and customer
	4.6	Agreed commitments are met in a timely manner and undertakings of others are followed up to ensure personnel and customer satisfaction with the outcome

- 4.7 Workplace records are updated accurately, legibly and promptly as required

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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLID4030A Supervise mobile crane operations.

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 TLID4030 Supervise mobile crane operations

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 relevant safeworking and workplace procedures
- calculating safe working load (SWL) and working load limit (WLL)
- communicating effectively with others
- completing documentation related supervising mobile crane operations
- discussing and negotiating with clients and crew on issues related to site access, setting up the crane and lift operations
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- identifying and directing the use of equipment, processes and procedures
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in equipment and operating environment in accordance with operating procedures
- planning and guiding the work of others, including predicting consequences and identifying improvements
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with regulatory requirements and workplace procedures
- 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:

- consultation and communication risk mitigation workplace procedures
- emergency management workplace procedures
- focus of operation of work systems and equipment
- how to calculate total mass of the load (including the mass of the lifting gear) and its distribution
- mobile crane applications, capacities, configurations, safety hazards and control mechanisms
- operational procedures for crane crews
- prioritising and multi-tasking work
- problems that may arise when supervising mobile crane operations and actions that should be taken to prevent or solve these problems
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- relevant rigging operations code of practice and regulations
- relevant road rules, high risk work regulations, permits and high risk licence requirements pertaining to mobile crane operation
- SWL and WLL of mobile crane and lifting gear
- workplace procedures for supervising mobile crane operations at a worksite.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment must occur in workplace operational situations or, where this is not available, 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 include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including high risk workplace procedures, regulations, codes of practice and operation manuals.

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