



Australian Government

TLID0013 Supervise mobile crane operations

Release: 1

TLID0013 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 worksite problems.

Work is performed under minimum 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

Rail sector.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Implement operational plan

PERFORMANCE CRITERIA

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

1.1 Task requirements are identified from work orders, job plan or operational plan and confirmed with relevant persons in accordance with workplace procedures

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| | 1.2 | Traffic flow and work area conditions are assessed and adjusted to ensure safe operation |
| | 1.3 | Checks are made that customer has fulfilled agreed obligations and required personnel and equipment are on site |
| | 1.4 | Hazards are identified, risks assessed and control measures implemented |
| | 1.5 | Operational plan is implemented in accordance with legislative and workplace requirements |
| 2 | Direct mobile crane operations | |
| | 2.1 | Customer is kept advised of changes to operation method and concerns are addressed promptly |
| | 2.2 | Mobile crane personnel are encouraged to provide input to the operation |
| | 2.3 | Contingency plans for unexpected situations or worksite problems are developed and discussed with site and mobile 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 mobile crane personnel are clarified in accordance with operational plan and workplace procedures |
| | 2.6 | Mobile crane personnel are supervised and directed to ensure safe and efficient operation |
| 3 | Support mobile crane personnel | |
| | 3.1 | Assistance with rigging/operating duties is provided in accordance with legislative, site requirements and workplace procedures |
| | 3.2 | Additional equipment and personnel are arranged as necessary in line with legislative requirements |
| | 3.3 | Facilities and amenities are arranged in accordance with workplace procedures |
| 4 | Resolve worksite problems | |
| | 4.1 | Unexpected worksite situations or problems are clarified prior to site visit to enable prioritising of work |
| | 4.2 | Unexpected worksite situations or problems are assessed through on-site consultation with mobile crane |

personnel

- 4.3 Customer's perspective on the unexpected worksite situations or problems is sought
- 4.4 Appropriate solutions to unexpected worksite situations or problems are decided, taking into account safety and workplace requirements, and customer expectations
- 4.5 Contingency plan actions are agreed with mobile crane personnel and customer prior to undertaking actions
- 4.6 Agreed commitments are met in a timely manner and undertakings of other persons are followed up to ensure personnel and customer satisfaction with operation outcome
- 4.7 Workplace records are updated accurately, legibly and promptly in accordance with workplace procedures

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 TLID4030 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 TLID0013 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:

- adapting to differences in mobile crane equipment and worksite operating environment in accordance with workplace procedures
- applying relevant safeworking and workplace procedures
- calculating safe working load (SWL)/working load limit (WLL)
- communicating effectively with others
- completing documentation related to supervising mobile crane operations
- discussing and negotiating with clients and mobile crane personnel on issues related to site access, setting up the mobile crane and lift operations
- identifying and directing the use of mobile crane equipment, processes and procedures
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards including:
 - implementing contingency plans to address unexpected situations or problems in accordance with workplace procedures and operational plan
 - modifying activities depending on operational contingencies, risk situations and environments
- interpreting and following operational instructions and prioritising work
- monitoring work activities in terms of planned schedule
- reading and interpreting relevant instructions, workplace procedures, information and signs
- reporting or resolving identified unexpected worksite situations or 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, SWL/WLL (including the mass of the lifting gear) and its distribution
- mobile crane applications, capacities, configurations, safety hazards and control mechanisms
- operational procedures for mobile crane personnel
- problems that may arise when supervising mobile crane operations and actions that should be taken to prevent, report or resolve these problems
- 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
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental regulations and workplace procedures
- workplace procedures for supervising mobile crane operations at a worksite.

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 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 must include access to:

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

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