



Australian Government

TLID4008 Monitor crane operations

Release: 1

TLID4008 Monitor 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 monitor crane operations in accordance with workplace procedures and regulatory requirements, as part of work activities in the stevedoring, transport, distribution and allied industries

It includes monitoring work performance and progress, monitoring personnel working in operational areas, solving problems concerning crane operations and making decisions.

Work is performed under some supervision generally within a team environment.

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 Monitor work performance and progress

- 1.1 Work is performed in accordance with workplace requirements and objectives to ensure safe work practices are maintained in accordance with statutory authority regulations, national and industry safety codes and workplace procedures
- 1.2 Crane operations and compliance with operational procedures are monitored regularly and refined in consultation with supervisor, crane drivers and other employees
- 1.3 Work performance rates are maintained and delays are

minimised to ensure work program objectives are met

- 1.4 Safety in the work area is continually monitored during crane operations and required action is taken to identify hazards and to control risks

2 Monitor personnel working in operational area

- 2.1 Vigilance is maintained when personnel are working in the cranes operational area in accordance with statutory requirements, national standards and safety codes
- 2.2 Personnel are checked out of operational area before securing operational area/storage location/ships hold after completing shift and when task is completed, ensuring all personnel are safely out of the area/hold
- 2.3 Personnel working in the operational area/storage location/ships hold are warned of any danger in accordance with workplace procedures and regulatory requirements
- 2.4 Personnel working in the operational area/storage location/ships hold are alerted when required and emergency responses are initiated to provide assistance to personnel in hold

3 Solve problems and make decisions

- 3.1 Problems are solved and decisions are made to ensure optimum efficiency of operations in accordance with management and client objectives
- 3.2 Employees are encouraged to contribute their opinions to facilitate effective decisions and resolution of problems

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 TLID4008A Monitor 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 TLID4008 Monitor 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 basic fatigue management techniques
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- communicating effectively with others when monitoring crane operations
- completing relevant documentation
- dealing with internal and external customers in small, medium and large worksites
- estimating the size, shape and special requirements of loads
- identifying, selecting and using relevant equipment, processes and procedures when monitoring crane operations
- identifying cargo, container and goods, coding, Australian Dangerous Goods (ADG) and International Maritime Dangerous Goods (IMDG) markings and emergency information panels
- 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 in accordance with standard operating procedures
- reading and interpreting relevant instructions, procedures, information, labels and signs
- receiving, acknowledging, sending messages and giving signals using required communications equipment and protocols
- reporting and/or rectifying identified problems, faults or malfunctions promptly, in accordance with regulatory requirements and workplace procedures
- selecting and using required personal protective equipment conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- working collaboratively with others when monitoring crane operations

- 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:

- Australian and international codes and regulations relevant to crane operations, including the ADG and IMDG Codes
- cargo marking and numbering systems
- operational work systems, equipment, management and site operating systems for crane operations
- problems that may occur during crane operations and appropriate action that can be taken to resolve these problems
- relevant bond, quarantine or other legislative requirements
- relevant handling and safety codes
- relevant WHS/OHS and environmental protection procedures and guidelines
- requirements for safe working load (SWL) and working load limit (WLL) of cranes
- types of cargo including goods with specialist requirements, temperature controlled goods and dangerous goods
- types of cranes used to transfer loads at transport, rail or shipping terminals or wharves, their application and the regulations, procedures and precautions for their operation
- workplace procedures and policies for monitoring crane operations.

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.

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 including limited or restricted spaces, exposed conditions, controlled or open environments.

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, including
 - gloves
 - safety headwear and footwear
 - safety glasses
 - two-way radios
 - protective clothing
 - high visibility clothing
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Links

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