



Australian Government

TLID4009 Direct crane operations

Release: 1

TLID4009 Direct 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 direct crane operations in accordance with workplace and regulatory requirements, as part of work activities in the stevedoring, transport, distribution and allied industries.

It includes checking work area, checking cargo, receiving and interpreting directions, anticipating cargo transfer sequence, directing crane operators and transferring loads in accordance with job requirements.

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	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Check work area	1.1 Work area is checked to ensure area is in accordance with relevant safety codes and national standards 1.2 Unsafe work areas are identified and reported to appropriate personnel
2 Check cargo	2.1 Cargo/containers are checked to ensure they are safe to handle

- in accordance with national standards and industry safety codes
- 2.2 Unsafe or damaged cargo is identified and reported to appropriate personnel
- 3 Interpret and provide directions**
- 3.1 Directions are provided using the required communications technology/mode
- 3.2 Directions are confirmed to ensure any unclear instructions are checked and clarified with relevant staff
- 4 Anticipate cargo transfer sequence**
- 4.1 Cargo transfer sequence is anticipated to ensure compliance with operating procedures and safe and efficient transfer operations
- 4.2 Cargo sequence is anticipated by referral to ship stowage plans/required sheets
- 5 Direct crane operators and transfer loads**
- 5.1 Crane operators are directed to work locations to ensure cargo/containers are transferred in accordance with workplace procedures and regulatory requirements
- 5.2 Crane drivers are immediately alerted to unsafe conditions, safety incidents and emergencies in accordance with workplace procedures and regulatory requirements

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 TLID4009A Direct 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 TLID4009 Direct crane operations

Modification History

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

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 directing 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 cargo, container and goods, coding, Australian Dangerous Goods (ADG) and International Maritime Dangerous Goods (IMDG) markings and emergency information panels
- identifying, selecting and using relevant 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 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 while directing crane operations
- reporting and/or rectifying identified problems, faults or malfunctions promptly, in accordance with regulatory requirements and workplace procedures
- selecting and using appropriate personal protective equipment conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- working collaboratively with others when directing 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
- focus of operation of 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 required
- requirements for safe working load (SWL) and working load limit (WLL) of cranes
- 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 directing 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.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in 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 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

Companion Volume implementation guides are found in VETNet -

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