



Australian Government

Department of Education, Employment and Workplace Relations

TLIB3015A Undertake site inspection

Release: 1

TLIB3015A Undertake site inspection

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to undertake a site inspection in preparation for a lift requiring a mobile crane, including arranging the site inspection, clarifying customer requirements, defining job requirements and completing necessary records. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Application of the Unit

Application of the Unit

Work must be carried out in compliance with the licence/permit requirements and regulations of the relevant state/territory authorities pertaining to mobile crane operations and safety.

Work is performed with general supervision, with some accountability and responsibility for self and others in achieving the prescribed outcomes. It involves the application of routine principles and procedures to conduct of site inspections prior to mobile crane lifts in a variety of operational contexts.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

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| 1 Arrange site inspection | 1.1 Available information about customer requirements is obtained from relevant personnel
1.2 Need for site inspection is confirmed through appropriate questioning and discussion
1.3 Mutually acceptable meeting time is arranged with customer
1.4 Full customer details are recorded according to workplace procedures |
| 2 Clarify customer requirements | 2.1 Customer needs and perception of job are clearly established through appropriate questioning and discussion
2.2 Alternative job methods are suggested where applicable and a safe and cost effective method negotiated with the customer
2.3 Clients ability to provide any necessary competent personnel is ascertained |
| 3 Define job requirements | 3.1 Information regarding load and movement requirements is accessed and any necessary measurements are taken to enable accurate estimation of job requirements
3.2 Specific scheduling needs are ascertained taking into account legislative and customer requirements
3.3 Information from site inspection and customer is used to identify hazards and contingencies
3.4 Specific site and job requirements are identified
3.5 Lift study is arranged as required to provide additional information or meet customer expectations
3.6 Necessity to be on site during lift is assessed in line with workplace policy taking into consideration complexity of job, potential hazards and expertise of available personnel
3.7 Need for permits/authorisations is determined |
| 4 Complete records | 4.1 Required records are updated accurately, legibly and promptly according to workplace procedures
4.2 Records include all relevant information about the job |

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

REQUIRED KNOWLEDGE AND SKILLS

- Relevant road rules, regulations, permit and licence requirements pertaining to mobile crane operation and safety
- Relevant OH&S and environmental procedures and regulations
- Mobile crane applications, capacities, configurations, safety hazards and control mechanisms
- Site inspection procedures and protocols
- Operational procedures for crane crews for the conduct of a site inspection for a lift using a mobile crane
- Guidelines relating to the safe use of machinery and equipment
- Focus of operation of work systems and equipment
- Application of relevant agreements, codes of practice or other legislative requirements

Required skills:

- Communicate effectively with others when conducting a site inspection for a lift using a mobile crane
- Read and interpret instructions, procedures, information and signs relevant to a site inspection for a lift using a mobile crane
- Interpret and follow operational instructions and prioritise work
- Complete documentation related to a site inspection for a lift using a mobile crane
- Work collaboratively with others when conducting a site inspection for a lift using a mobile crane
- Plan own work including predicting consequences and identifying improvements
- Prioritise and multi-task work
- Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others
- Promptly report and/or rectify any identified problems that may be identified when conducting a site inspection for a lift using a mobile crane in accordance with regulatory requirements and workplace procedures
- Implement contingency plans for unexpected events that may occur when conducting a site inspection for a lift using a mobile crane
- Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities
- Monitor work activities in terms of planned schedule
- Modify activities depending on differing operational contingencies, risk situations and environments
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Operate and adapt to differences in equipment in accordance with standard operating procedures

Required skills:

- Identify and correctly use equipment, processes and procedures
- Select and use required personal protective equipment conforming to industry and OH&S standards

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:
 - the underpinning knowledge and skills
 - relevant legislation and workplace procedures
 - other relevant aspects of the range statement

Context of and specific resources for assessment

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
 - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
 - access to an appropriate range of relevant operational situations in the workplace
- In both real and simulated environments, access is required to:
 - relevant and appropriate materials and equipment, and
 - applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

Method of assessment

- Assessment of this unit must be undertaken by a registered training organisation
- As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests
- Practical assessment must occur:
 - through activities in an appropriately simulated

EVIDENCE GUIDE

- environment at the registered training organisation, and/or
- in an appropriate range of situations in the workplace

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

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| Operations may be conducted: | <ul style="list-style-type: none">• day or night• in a variety of weather conditions |
| Environment may include: | <ul style="list-style-type: none">• movement of equipment, goods, materials and vehicular traffic |
| Customers may be: | <ul style="list-style-type: none">• internal or external |
| Mobile crane may be involved in work in a range of industry sectors including: | <ul style="list-style-type: none">• construction and demolition• manufacturing• waterfront• mining• primary industry• utilities (electricity, gas, water)• arboricultural• swimming pool• quarrying |
| Sites may include: | <ul style="list-style-type: none">• building and construction sites• demolition sites• wharves• tree lopping/removal sites• mining sites |
| Hazards may include: | <ul style="list-style-type: none">• power lines• noise, light, energy sources• overhead service lines• surrounding buildings, structures, facilities• underground services• obstructions• uneven or unstable ground and recently filled trenches• stationary and moving machinery and equipment |

RANGE STATEMENT

Hazard management is:	• hazardous or dangerous materials • traffic hazards and congestion • other vehicles and personnel • consistent with the principle of hierarchy of control with elimination, substitution, isolation and engineering control measures being selected before safe working practices and personal protective equipment
Consultative processes may involve:	• other employees and supervisors • management • union representatives • clients • industrial relations and OH&S specialists • other professional or technical staff
Requirements for access and/or lift may include:	• site restrictions and procedures • authorities and permits • hours of operation • induction processes • slings, chains, nets, brackets and other specialised lifting equipment • noise restrictions • personal protective equipment • support trucks • additional gear and equipment • communications equipment
Personal protective equipment may include:	• gloves • safety headwear and footwear • sunscreen, sunglasses and safety glasses • two-way radios • high visibility clothing
Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:	• company procedures • enterprise procedures • organisational procedures • established procedures
Documentation/records may include:	• site plan • Safe Working Load (SWL) and Working Load Limit (WLL) • operations manuals including load charts and crane and rigging manuals • induction documentation • competency standards and training materials

RANGE STATEMENT

- job specifications and procedures
 - manufacturers specifications
 - workplace operating procedures and policies
 - supplier and/or client instructions
 - communications technology equipment, oral, aural or signed communications
 - personal and work area work procedures and practices
 - conditions of service, legislation and industrial agreements including:
 - workplace agreements and awards
 - occupational health&safety procedures
 - standards and certification requirements
 - quality assurance procedures
 - emergency procedures
 - relevant state/territory regulations and licence/permit requirements pertaining to mobile cranes
 - relevant state/territory road rules
 - relevant state/territory OH&S legislation
 - relevant state/territory environmental protection legislation
- Applicable regulations and legislation may include:

Unit Sector(s)

Not Applicable

Competency Field

Competency Field

B - Equipment Checking and Maintenance