



Australian Government

TLIB3017 Assemble and dismantle boom or jib

Release: 1

TLIB3017 Assemble and dismantle boom or jib

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 assemble and dismantle a boom and jib on a lattice boom mobile crane, in accordance with licence/permit requirements and regulations, in a variety of operational contexts

It includes planning assembly/dismantling and following correct procedures for boom/jib assembly and disassembly.

Work is performed under general supervision, with duty of care responsibility for self and others in achieving the prescribed outcomes.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan assembly/dismantling

PERFORMANCE CRITERIA

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

1.1

Job hazards are identified and required action is taken to minimise, control or eliminate identified hazards

	1.2	Level as is possible and unobstructed site is selected to assemble/dismantle boom and/or jib
	1.3	Plan for crane assembly and dismantling is developed in accordance with appropriate Australian Standard, other statutory regulations, licensing requirements and manufacturer specifications
2 Assemble/dismantle boom or jib	2.1	Equipment, including personal protective equipment, is assembled and used as appropriate for task requirements
	2.2	Plan for assembly or dismantling of boom/jib is carried out in accordance with manufacturer specifications, appropriate Australian Standards and other relevant statutory regulations and guides
	2.3	All connections on boom and jib pendants and rope anchorages are checked before boom is raised, to ensure they are in good order, tight and secure
	2.4	Documentation is completed 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.

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

Unit Mapping Information

This unit replaces and is equivalent to TLIB3017A Assemble and dismantle boom or jib.

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 TLIB3017 Assemble and dismantle boom or jib

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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 precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- interpreting and following operational instructions and prioritising work
- monitoring condition of equipment
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in equipment in accordance with workplace operating procedures
- reading and interpreting relevant instructions, procedures, information and signs
- selecting and using required personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- working collaboratively with others
- 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:

- application of relevant Australian Standards, codes of practice and legislative requirements
- defects that may be identified when assembling and dismantling a boom/jib and appropriate action that should be taken
- guidelines relating to the safe use of machinery and equipment
- hazard management consistent with the principle of hierarchy of control with elimination, substitution, isolation and engineering control measures being selected before safe working practices and PPE
- high risk work licence requirements
- mobile crane and hoist applications, capacities, configurations, safety hazards and control mechanisms
- operational procedures for crane and hoist crews concerning assembling and dismantling booms and jibs on lattice boom mobile cranes
- operational work systems and equipment
- relevant road rules, regulations, permit and licence requirements for mobile crane assembly and dismantling
- relevant WHS/OHS and environmental procedures and regulations.

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 where it is appropriate to do so; where this is not appropriate, assessment must occur 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
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

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