



Australian Government

TLIB0048 Prepare a mobile crane for lift

Release: 1

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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 prepare a mobile crane for a lift.

It includes the systematic positioning and stabilisation of the crane and its assembly prior to lift in a variety of operational contexts.

Work is performed with limited or minimum supervision.

People achieving competence in this unit must hold the relevant high risk work (HRW) licence prior to undertaking mobile crane operation, dogging or rigging work.

Work must be carried out in compliance with the relevant state/territory authority mobile crane operations licence/permit requirements and regulations, codes of practice, rules and/or guidelines.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Mobile Crane.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 **Position and stabilise crane**

PERFORMANCE CRITERIA

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

1.1 Ground is checked to ensure it is firm enough to bear the load

		1.2	Mobile crane is directed to position systematically in accordance with operation plan, applicable Australian Standards, codes of practice and manufacturer specifications to ensure safe operation
		1.3	Appropriate plates or packing are correctly used to adequately distribute load
		1.4	Outriggers and stabilisers are correctly deployed and positioned in accordance with manufacturer instructions, appropriate Australian Standard and other relevant statutory regulations
		1.5	Outrigger packing is checked for adequacy prior to and after lift is taken
2	Confirm crane for lift	2.1	Reeving of the block is confirmed with a competent person and in accordance with manufacturer specifications
		2.2	Counterweights are confirmed in accordance with manufacturer specifications
		2.3	Attachments are confirmed in accordance with manufacturer instructions
		2.4	Competent person is consulted and other personnel are assisted as necessary to ensure efficient and safe assembly and set-up of crane
		2.5	Straight fly jibs and luffing fly jibs are confirmed in accordance with manufacturer instructions

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 TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces but is not equivalent to TLIB3011 Set up and rig crane for lift.

Links

Companion Volume Implementation Guides are found in VETNet -

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