



Australian Government

RIIHAN304E Conduct slewing crane operations

Release: 1

RIIHAN304E Conduct slewing crane operations

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.

Application

This unit describes the skills and knowledge required to conduct slewing crane operations, including lifting loads, travelling cranes, and performing multiple crane lifts.

This unit applies to those working in site-based roles.

The work required in this unit relates to the National Standard for High Risk Work but this unit does not provide the licence. Licensing, legislative, regulatory or certification requirements that may apply to this unit can vary between states, territories and industry sectors, and must be sourced from state jurisdictions prior to applying this unit.

Unit Sector

Coal mining

Drilling

Extractive

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for slewing crane operations	1.1 Access, interpret and apply crane operation documentation and procedures to ensure work activity is compliant 1.2 Obtain, interpret, clarify and confirm work requirements 1.3 Identify hazards and environmental issues, assess the risks and implement control measures in line with workplace policies 1.4 Select and wear personal protective equipment required for work activities 1.5 Access, interpret and apply safety information and procedures

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	throughout the work activity 1.6 Prepare slewing crane activity in accordance with AS2550, relevant legislation, safety requirements and manufacturer/site requirements 1.7 Carry out assembly and dismantling of boom/jib as per work requirements and workplace procedures 1.8 Coordinate and communicate planned activities with others prior to commencement work activity
2. Operate slewing crane within operating capacities of equipment to complete work activity	2.1 Carry out equipment start-up checks in line with workplace procedures 2.2 Identify faults and rectify within scope of own responsibility and according to workplace procedures 2.3 Position, stabilise and level crane prior to commencement of lift operations 2.4 Prepare loads for lift in accordance with crane limitations and rigging requirements, and according to workplace procedures 2.5 Confirm the work area is clear and safe prior to commencing work activity 2.6 Use crane controls and functions to lift and position using techniques suited to equipment capabilities, site and work conditions, and according to workplace procedures 2.7 Monitor and manage equipment performance using indicators and alarms 2.8 Monitor hazards and risks during operations, and ensure safety of self, other personnel, plant and equipment 2.9 Park up, shut down, secure and carry out post operational inspection of equipment in line with workplace procedures
3. Travel the crane	3.1 Plan a firm and level route for the crane travel according to workplace procedures 3.2 Monitor and manage hazards along the route 3.3 Travel the crane in line with work requirements and workplace procedures
4. Perform multiple crane lifts	4.1 Obtain approval to carry out a multiple crane lift from the appropriate statutory authority prior to planning activity

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.2 Plan multiple crane lift and obtain internal approvals for lifting plan as per workplace procedures 4.3 Perform multiple crane lift according to authorised plan under the supervision of an authorised person, in line with workplace procedures
5. Conduct housekeeping activities	5.1 Clear work area and dispose of environmentally sensitive materials according to workplace procedures 5.2 Manage and/or report hazards to maintain a safe working environment 5.3 Complete and file documentation, and distribute according to workplace requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skill	Description
Reading	Identifies and interprets relevant information from workplace procedures, documentation, legislation and regulations
Numeracy	Identifies and comprehends relevant mathematical information in required to determine equipment operating capacities

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIHAN304E Conduct slewing crane operations (Release 1)	RIIHAN304D Conduct slewing crane operations (Release 3)	Minor updates to reflect changes to operator maintenance activities	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>