



Australian Government

RIIHAN306D Carry out lifting using multiple cranes

Release: 3

RIIHAN306D Carry out lifting using multiple cranes

Modification History

Release	Comment
1	This unit replaces RIIHAN306A Carry out lifting using multiple cranes.
2	Editorial corrections Amended reference to Licensing requirements in Unit Application
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to carry out lifting using multiple cranes in the Resources and Infrastructure Industries.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories and industry sectors. Relevant information must be sourced prior to application of the unit.

Elements and Performance Criteria

1. Plan and prepare for multiple crane lift	1.1 Access, interpret and apply crane operation documentation and procedures and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Carry out assembly and dismantling of boom/jib 1.6 Coordinate activities with others prior to commencement of, and during, the work activity 1.7 Carry out crane pre-start, start-up, park-up and shutdown
---	--

	procedures 1.8 Position, stabilise and level cranes prior to commencement of multiple lift
2. Carry out multiple crane lift	2.1 Obtain approval to carry out a multiple crane lift from the appropriate statutory authority 2.2 Plan multiple lift and obtain approval for lifting plan by an authorised person 2.3 Clarify and confirm multiple lift activities and responsibilities with the other crane operators 2.4 Carry out the multiple lift under the supervision of an authorised person 2.5 Prepare load for lift in accordance with crane limitations and rigging requirements 2.6 Confirm the work area is clear and hazards are removed or controlled prior to commencing multiple lift 2.7 Interpret signals in accordance with AS2550 2.8 Use crane controls and functions within manufacturer's specifications to effectively lift and position loads 2.9 Act on or report, verbally or in writing, monitoring systems and alarms 2.10 Recognise and respond to hazardous and emergency situations

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIHAN306A Carry out lifting using multiple cranes

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIHAN306D Carry out lifting using multiple cranes

Modification History

Release	Comment
1	This unit replaces RIIHAN306A Carry out lifting using multiple cranes.
2	Editorial corrections Amended reference to Licensing requirements in Unit Application
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of lifting using multiple cranes including:
 - planning and preparing for a multiple crane lift
 - preparing the load for lifting
 - accessing, interpreting and applying technical data
- works effectively with others to undertake and complete lifting using multiple cranes that meet all of the required outcomes including:
 - prepare and plan for multiple lift and obtain approval from the authorised person
 - communicate, clarify and confirm multiple lift activities and responsibilities with other crane operators
 - maintaining all written and verbal reporting requirements and procedures
- demonstrates completion of carrying out lifting using multiple cranes that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - completing crane pre-start, start-up, park-up and shutdown procedures

- carrying out a multiple crane lift, including:
 - obtaining approval by an authorised person
 - clarification and confirmation of multiple lift activities with other crane operators
- calculating volume and weights
- disposing of environmentally sensitive fluids and materials

Knowledge Evidence

The candidate must demonstrate knowledge of the following when carrying out lifting using multiple cranes:

- accessing and applying the National Standard for High Risk Work
- identifying crane equipment characteristics, technical capabilities and limitations
- applying fault finding techniques
- accessing, interpreting and applying technical information
- identifying, interpreting and using hand and whistle signals

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

Links

Companion Volume implementation guides are found in VETNet -

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