



Australian Government

RIIHAN307D Operate a vehicle loading crane

Release: 3

RIIHAN307D Operate a vehicle loading crane

Modification History

Release	Comment
1	This unit replaces RIIHAN307A Operate a vehicle loading crane.
2	Amend Performance Criteria wording to ensure compliance with WHS Legislation Amend 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 operate a vehicle loading crane 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 qualification can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the qualification.

Elements and Performance Criteria

1. Plan and prepare for vehicle loading crane operations	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 Identify and implement signage and barricade requirements 1.6 Identify, select and check for faults, equipment to carry out tasks 1.7 Perform pre-start, start-up, park-up, shutdown and vehicle positioning procedures
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	1.8 Communicate with person dogging the load to ensure quantity of load in accordance with specifications, vehicle limitations and/or rigging requirements 1.9 Communicate with Dogman to ensure attachments are correctly assembled and dismantled 1.10 Determine and implement no-go zones, confirm work area is clear and identify and control crane operating hazards prior to the commencement of the lift
2. Operate and maintain a loading crane	2.1 Lift and position loads using crane controls and function 2.2 Communicate and coordinate activities with others throughout the work activity including using recommended load moving signals 2.3 Monitor load and crane hook movements and locations throughout the transfer 2.4 Identify and respond to emergency situations 2.5 Identify and control crane operating hazards and respond to monitoring systems and alarms 2.6 Complete work, shut down crane and return to its lock down position
3. Carry out operator maintenance	3.1 Perform daily/shift vehicle inspections and fault-finding checks 3.2 Perform and record in writing routine operational servicing and report any faults 3.3 Process written records 3.4 Record in writing the results of daily/shift inspections, and report any defects
4. Clean up	4.1 Clear work area and dispose of reused or recycled materials 4.2 Clean, check and store plant, tools and equipment

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

RIIHAN307A Operate a vehicle loading crane

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 RIIHAN307D Operate a vehicle loading crane

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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 vehicle loading crane operation including:
 - planning and preparing for vehicle loading crane operations
 - performing daily and shift vehicle inspections and fault finding checks
 - identifying and establishing no-go zones in the vicinity of vehicle loading cranes
 - selecting and using relevant tools and equipment
- works effectively with others to undertake and complete the operation of a vehicle loading crane that meets all of the required outcomes including:
 - using a range of communication techniques and equipment to convey information to others
 - complying with written and verbal reporting requirements and procedures
- demonstrates completion of operating a vehicle loading crane that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - performing pre-start, start-up, park-up, shutdown and vehicle positioning procedures
 - lifting and positioning loads or personnel using crane controls and function
 - directing crane operations using load moving signals

- monitoring load and crane hook movements and locations
- disposing of environmentally sensitive fluids and materials

Knowledge Evidence

The candidate must demonstrate knowledge of the following when operating a vehicle loading crane:

- no-go areas in the vicinity of vehicle loading cranes
- never work under crane booms
- crane hook location and movement
- Relevant standards related to loading cranes and lifting
- site and equipment safety requirements
- vehicle equipment characteristics, technical capabilities and limitations associated with loading cranes
- vehicle loading crane and other relevant operational procedures
- vehicle loading crane and other relevant maintenance systems and procedures
- basic geological and survey data knowledge relating to loading cranes
- basic rigging and slinging requirements
- hand and whistle signals related to loading crane operations
- site environmental requirements and constraints
- Hazchem relevant to loading cranes
- crane preparation and operational techniques
- processes for the calculation of load mass requirements
- safety data sheet
- plans, drawings and specifications
- safe handling and storage procedures
- relevant acts, regulations and code of practice
- JSAs/safe work method statements

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

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