



Australian Government

RIINHB201D Load, secure and unload drilling equipment and materials

Release: 4

RIINHB201D Load, secure and unload drilling equipment and materials

Modification History

Release	Comment
1	This unit replaces RIINHB201B Load, secure and unload drilling equipment and materials
2	Corrected Performance Criteria numbering.
3	Editorial corrections.
4	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 load, secure and unload drilling equipment and materials in Drilling.

This unit is appropriate for those working in drillers assistant and driller 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 loading, securing and unloading of drilling equipment and materials	1.1 Access, interpret and apply loading, securing and unloading of drilling equipment and materials documentation 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 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
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	1.6 Communicate and coordinate activities with others throughout the work activity 1.7 Perform equipment pre-start checks and ensure equipment is ready for operation 1.8 Select and check for faults, equipment/tools for the activity
2 Load equipment and materials	2.1 Identify load characteristics and use appropriate loading techniques to safely and efficiently move load 2.2 Assess load for hazardous and dangerous goods 2.3 Assess and ensure that load characteristics and transport capacity meet approved parameters 2.4 Erect physical barricades and signage to prevent unauthorised entry to the area 2.5 Load equipment and materials
3 Secure equipment and materials	3.1 Check the distribution of the load and ensure it is even, legal and within safe working capacity 3.2 Secure load at approved anchorage points 3.3 Adjust load restraint devices to ensure load is secure during transport 3.4 Protect load from weather conditions using approved coverage devices 3.5 Inspect the load for security to travel 3.6 Complete and submit all required written documentation
4 Unload equipment and materials	4.1 Assess location, stowage and remaining load before commencement 4.2 Unload in a safe and effective way making use of lifting aids and applications if required 4.3 Identify any equipment and materials requiring special handling 4.4 Relocate material in a manner that considers the heights, weight loading, size and crushability of the equipment and materials
5 Conduct housekeeping activities	5.1 Clear work area and dispose of or recycle materials 5.2 Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 5.3 Manage and/or report hazards, and maintain a safe working environment 5.4 Process records

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

RIINHB201A Load, secure and unload drilling equipment and materials

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 RIINHB201D Load, secure and unload drilling equipment and materials

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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
- works effectively with others to undertake and complete the loading, securing and unloading of drilling equipment and materials that meets all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements throughout work activities
- demonstrates completion of loading, securing and unloading drilling equipment and materials that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - assessing load for hazardous and dangerous goods
 - identifying load characteristics and using appropriate loading techniques to safely and efficiently move load
 - securing load at approved anchorage points

- checking the distribution of the load and ensure it is even, legal and within safe working capacity

Knowledge Evidence

The candidate must demonstrate knowledge of the following when loading, securing and unloading drilling equipment and materials:

- applying the organisation and site requirements and procedures for:
 - work, health and safety
 - contaminant identification and management
 - emergency response
 - environmental issues
 - safe carrying of loads
 - hazardous goods procedures and spills
 - identifying and reporting equipment faults
 - equipment isolation
 - site operational systems
 - working in night and day conditions
 - erecting signage and barricades
 - working in wet and dry working conditions
 - load positioning
- mass & loading regulations
- transport of dangerous goods and hazardous substances
- equipment processes, technical capability and limitations
- methods of preventing shifting of loads and their importance
- number and types of lashings to apply, fixing points and basic knots
- licences and permits requirements for the use, transport and storage of LPG and LPG appliances

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 must be assessed in the context of this sector's work environment; 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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