



Australian Government

RIINHB210D Assist surface directional drilling

Release: 2

RIINHB210D Assist surface directional drilling

Modification History

Release	Comment
1	This unit replaces RIINHB210B Assist surface directional drilling
2	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 assist surface directional drilling in Coal mining and Drilling.

This unit is appropriate for those working in driller assistants roles.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Coal mining

Drilling

Elements and Performance Criteria

1. Plan and prepare for assisting with surface directional drilling	1.1 Access, interpret and apply surface directional drilling 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 the work activity 1.5 Communicate and coordinate activities with others throughout the work activity 1.6 Load, unload and move tools and equipment 1.7 Obtain and interpret emergency procedures, and be prepared
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	for fire/accident/emergency
2. Support the surface directional drilling process	2.1 Position and number drill rods in readiness for drilling 2.2 Inspect in-hole drilling components for damage 2.3 Fit and remove in-hole drilling components to and from the drill string 2.4 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment 2.5 Monitor operation for unplanned gas and water leakage and other environmental hazards
3. Carry out basic maintenance of tools and equipment	3.1 Monitor the drill rods for wear and damage, dress and grease threads 3.2 Rotate rods and replace as and when required 3.3 Perform inspections and routine checks on hoses and ancillary equipment and carryout remedial action 3.4 Ensure that drill fluids are appropriately contained and disposed

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

RIINHB210B Assist surface directional drilling

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 RIINHB210D Assist surface directional drilling

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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 assisting with surface directional drilling including:
 - operation of ancillary equipment:
 - pumps
 - ventilation equipment
 - working wearing personal protective equipment
 - apply operational communication procedures
 - inspection and monitoring of equipment
 - applying basic maintenance of tools and equipment
- works effectively with others to undertake and complete surface directional drilling 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 prior to commencing and during work activities
- demonstrates completion of assisting with surface directional drilling that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:

- positioning and numbering drill rods in readiness for drilling
- inspect in-hole drilling components for damage
- fitting and removing in-hole drilling components to and from the drill string
- checking drill rods for wear and damage
- checking on hoses and ancillary equipment

Knowledge Evidence

The candidate must demonstrate knowledge in assisting surface directional drilling through:

- applying the organisation and site requirements and procedures for:
 - work health and safety
 - environment issues
 - handling requirements drilling equipment
 - housekeeping
- reading, interpreting and complying with safety data sheets (SDS)
- being prepared for fire/accident/emergency

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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