



**Australian Government**

# **RIIBHD301D Conduct surface blast hole drilling operations**

**Release: 2**

## RIIBHD301D Conduct surface blast hole drilling operations

### Modification History

Release	Comment
1	This unit replaces RIIBHD301A Conduct surface blast hole drilling operations
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 conduct surface blast hole drilling operations in the Resources and Infrastructure Industries.

This unit is appropriate for those working in driller roles.

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

### Elements and Performance Criteria

1 Plan and prepare for surface blast hole drilling operations	1.1 Access, interpret and apply surface blast hole drilling documentation and ensure the work activity is compliant 1.2 Obtain, interpret, clarify, confirm and apply work requirements and procedures 1.3 Access, interpret and apply geological and survey data 1.4 Inspect and prepare work area in coordination with others 1.5 Identify, manage and report potential hazards and risks 1.6 Resolve coordination requirements with others prior to and during work activities 1.7 Select and wear correct personal protective equipment
2 Mark out drill pattern	2.1 Adjust drill pattern within authorised tolerances and drilling plan 2.2 Obtain authorisation for changes to drill pattern plan 2.3 Place indicators on drill pattern in preparation for drilling 2.4 Mark out drill pattern ensuring it is visible and aids the

	<p>drilling process</p> <p>2.5 Protect pre-existing drill holes according to characteristics of hole</p>
3 Operate the drill system	<p>3.1 Carry out pre-start, start-up, park-up and shutdown procedures</p> <p>3.2 Locate and set up drill and equipment according to drilling plan</p> <p>3.3 Select and modify the operating technique to appropriately meet changing work conditions</p> <p>3.4 Conduct, control and monitor operations within the equipment limitations</p> <p>3.5 Stabilise hole by collaring and by adjusting drilling techniques</p> <p>3.6 Act on or report monitoring systems and alarms</p> <p>3.7 Recognise and respond to hazardous and emergency situations</p> <p>3.8 Complete work to requirements and within the operating capacity of the equipment</p> <p>3.9 Adhere to emergency procedures to ensure safety of personnel, plant and equipment</p> <p>3.10 Conduct quality checks at predetermined drill depths</p>
4 Relocate drill	<p>4.1 Receive route and location plan and confirm them by site inspection</p> <p>4.2 Complete/follow work area preparation</p> <p>4.3 Resolve coordination issues</p> <p>4.4 Correctly relocate drill</p>
5 Carry out post-operational procedures	<p>5.1 Inspect, fault find and report faults</p> <p>5.2 Carry out routine operator servicing, maintenance and housekeeping tasks</p> <p>5.3 Provide operator support during preparation for and conduct of major maintenance tasks</p> <p>5.4 Maintain and process written records and reports</p>

## 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**

RIIBHD301A Conduct surface blast hole drilling operations

## **Links**

Companion Volume implementation guides are found in VETNet -

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