



**Australian Government**

# **RIBHD303E Conduct long hole drilling**

**Release: 1**

# RIIBHD303E Conduct long hole drilling

## Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

## Application

This unit describes the skills and knowledge required to conduct long hole drilling in metalliferous mining. It includes conducting drilling and monitoring operations and setting up and clearing drill sites.

It applies to those working in driller roles. They generally work under minimal supervision to undertake a broad range of skilled applications in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

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

## Unit Sector

Metalliferous mining

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for long hole drilling	1.1 Obtain, interpret, confirm and clarify shift change over details and review historical information 1.2 Access, interpret and apply drilling documentation and confirm work activity is compliant 1.3 Select and wear personal protective equipment according to site requirements 1.4 Inspect and assess site conditions, determine if scaling is required and respond according to site requirements 1.5 Install barricades and safety provisions according to site requirements 1.6 Check work site and identify and control misfires according to site requirements

ELEMENT	PERFORMANCE CRITERIA
	1.7 Apply dust suppression and extraction methods according to site requirements 1.8 Conduct equipment prestart checks according to manufacturer specifications and site requirements 1.9 Transport, position, stabilise and connect equipment and attachments according to manufacturer specifications, drill plan and site requirements
2. Drill and monitor progression	2.1 Identify, manage and report hazards and potential risks according to site requirements 2.2 Carry out start-up procedures according to manufacturer specifications and site requirements 2.3 Drill holes and realign equipment according to manufacturer specifications, drill plan and site requirements 2.4 Monitor drilling operations and site conditions and adjust operations as required according to manufacturer specifications and site requirements 2.5 Remove drill cuttings and sludge 2.6 Mark misdirected holes according to site requirements 2.7 Carry out shutdown procedures according to manufacturer specifications and site requirements
3. Carry out operator maintenance and housekeeping	3.1 Carry out shutdown procedures and de-rig equipment according to manufacturer specifications and site requirements 3.2 Clear site and remove auxiliary services according to site requirements 3.3 Inspect and clean equipment and reports faults according to manufacturer specifications and site requirements 3.4 Complete documentation according to site requirements 3.5 Pass on end of shift information to oncoming shift according to site requirements

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.*

SKILL	DESCRIPTION
Numeracy	<ul style="list-style-type: none"> <li>Calculates measurements, masses and dimensions</li> </ul>
Reading	<ul style="list-style-type: none"> <li>Identifies and interprets information from workplace documentation</li> </ul>

<b>SKILL</b>	<b>DESCRIPTION</b>
Self-management	<ul style="list-style-type: none"><li>• Monitors and minimises own exposure to worksite risks and hazards during activities</li></ul>

## Unit Mapping Information

Supersedes and is equivalent to RIIBHD303D Conduct long hole drilling.

## Links

Companion Volume Implementation Guide is found on VETNet -

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