



Australian Government

RIIUND309D Conduct mechanical underground ground support drilling and installation

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIUND309A Conduct mechanical underground ground support drilling and installation
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 mechanical underground ground support drilling and installation in Metalliferous Mining.

This unit is appropriate for those working in operational 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

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare to conduct drilling and installation	1.1 Access, interpret and apply drilling and installation documentation and ensure the work activity is compliant 1.2 Obtain, interpret, clarify and confirm work requirements and shift changeover details before proceeding 1.3 Select and wear appropriate personal protective equipment for work activity 1.4 Inspect and assess site conditions to determine scaling requirements, misfires and starting point and take action 1.5 Conduct equipment pre-start and visual checks 1.6 Identify, address and report potential risks, hazards and
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	environmental issues 1.7 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency 1.8 Assess site conditions and review historical information to clarify drilling requirements 1.9 Use approved dust suppression and extraction methods if required
2. Set up and prepare for installation	2.1 Scale loose material and make site safe, where applicable 2.2 Connect auxiliary services where required 2.3 Align equipment to access drill pattern 2.4 Drill holes according to ground support design and work plan 2.5 Erect boundaries to prevent unauthorised access 2.6 Complete all required documentation clearly, concisely and on time
3. Install ground support	3.1 Position and stabilise drill equipment and ensure safety of operating personnel 3.2 Install reinforcements 3.3 Conduct equipment shutdown procedures 3.4 Pass on end of shift information to oncoming shift

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

RIIUND309A Conduct mechanical underground ground support drilling and installation

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>