



**Australian Government**

# **RIIMEX202D Install open-cut mine ground support**

**Release: 3**

## RIIMEX202D Install open-cut mine ground support

### Modification History

Release	Comment
1	This unit replaces RIIMEX202A Install open-cut mine ground support
2	Editorial corrections
3	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 install open-cut mine ground support in Metalliferous mining.

This unit is appropriate for those working in operational roles.

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

### Unit Sector

Metalliferous mining

### Elements and Performance Criteria

1. Plan and prepare for ground support installation	<p>1.1 Access, interpret and apply ground support installation documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues and implement control measures</p> <p>1.4 Select and wear personal protective equipment appropriate for work activities</p> <p>1.5 Select appropriate type of equipment and ground support materials according to job type, work plan specifications and site conditions</p> <p>1.6 Carry out pre-start, start-up, park up, shutdown and secure</p>
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	<p>equipment procedures</p> <p>1.7 Communicate and coordinate activities with others prior to, during and on completion of the work activity</p> <p>1.8 Obtain and interpret emergency procedures, and be prepared for an emergency</p>
2. Set up for installation	<p>2.1 Remove any surface soils and/or vegetation and expose bedrock</p> <p>2.2 Scale down loose material</p> <p>2.3 Position drill at designated angle and according to equipment limitations</p> <p>2.4 Position drill holes according to ground support design and ground support plan to maximise lamination of rock layers</p>
3. Assemble and install ground support	<p>3.1 Assemble anchors to full depth according to ground support plan</p> <p>3.2 Drill holes to specified diameter and depth in accordance with type of ground support and work plan specifications</p> <p>3.3 Install and tension anchors and bolts to appropriate pattern and tensioning degree</p> <p>3.4 Install water suppression devices minimising water infiltration to ground supports</p> <p>3.5 Check ground support periodically, monitor creepage and adjust stressing</p>
4. Conduct housekeeping activities	<p>4.1 Clean, check, maintain and store plant, tools and equipment</p> <p>4.2 Report issues identified with plant, tools and equipment</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

RIIMEX202A Install open-cut mine ground support

## Links

Companion Volume implementation guides are found in VETNet -

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