



Australian Government

RIIUMM201D Install ground support

Release: 2

RIIUMM201D Install ground support

Modification History

Release	Comment
1	This unit replaces RIIUMM201A Install ground support
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 install ground support 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 (Underground)

Elements and Performance Criteria

1. Plan and prepare to install ground support	1.1. Access, interpret and apply installation of ground support documentation and ensure the work activity is compliant 1.2. Obtain, interpret, clarify and confirm work instructions 1.3. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.4. Select, and check for faults, equipment/tools for the activity 1.5. Arrange for delivery of ground support materials to site 1.6. Inspect and assess site conditions and determine if scaling is required and take action 1.7. Conduct equipment pre-start checks and start up procedures 1.8. Identify, address and report environmental issues, potential
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	risks and hazards 1.9. Inspect and assess appropriateness of ground control mechanism/plan to ensure safety of site 1.10. Use approved dust suppression and extraction equipment/methods
2. Install ground support	2.1. Assemble and install reinforcement components according to ground control plan 2.2. Install reinforcement components with appropriate fixative 2.3. Install reinforcement components following contour of ground and according to ground conditions 2.4. Tension external reinforcement components according to ground control conditions
3. Conduct housekeeping activities	3.1. Clear work area and dispose of or recycle materials 3.2. Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 3.3. Manage and/or report hazards, and maintain a safe working environment 3.4. Process and maintain written records

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

RIIUMM201A Install ground support

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 RIIUMM201D Install ground support

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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 completion of ground support installation including:
 - using appropriate dust suppression and extraction methods
- works effectively with others to undertake and complete the installation of ground support that meets all of the required outcomes including:
 - communicating clearly and concisely with others to receive and clarify work instructions, and convey work progress
- demonstrates completion of ground support installation that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - conducting equipment pre-start checks and start up procedures
 - assembling and installing reinforcement components appropriately
 - conducting housekeeping activities

Knowledge Evidence

The candidate must demonstrate knowledge in ground support installation through:

- equipment safety requirements
- environmental issues
- handling and transport hazardous substances

- site inspection
- equipment isolation
- manufacturer's specifications
- basic geological and technical data
- ground control characteristics and applications
- dust suppression and extraction methods
- using reinforcement components
- using fixatives

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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