



Australian Government

RIIMCU305D Conduct outburst mining operations

Release: 2

RIIMCU305D Conduct outburst mining operations

Modification History

Release	Comment
1	This unit replaces RIIMCU305A Conduct outburst mining 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 outburst mining operations in Coal 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 the application of this unit.

Unit Sector

Coal mining

Elements and Performance Criteria

1. Plan and prepare to conduct outburst mining operations	1.1 Access, interpret and apply outburst mining operations, documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear appropriate personal protective equipment and protective clothing 1.5 Access, interpret and apply mine environmental, geological and survey data required to complete the allocated work 1.6 Identify and confirm outburst manning requirements in accordance with the outburst management plan 1.7 Carry out outburst pre-operational checks
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	1.8 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency
2. Conduct mining operations in outburst conditions in accordance with outburst management plan	2.1 Communicate and coordinate activities with others throughout the work activity 2.2 Operate continuous miner and/or shuttle car 2.3 Carry out strata control operations 2.4 Maintain ventilation, monitor environmental conditions and take action where required 2.5 Continually monitor hazards and risks , and ensure safety of self, other personnel, plant and equipment 2.6 Complete and maintain records and reports
3. Carry out operator maintenance on outburst equipment	3.1 Prepare machine/equipment for maintenance 3.2 Conduct inspection and fault finding 3.3 Carry out scheduled maintenance tasks 3.4 Carry out housekeeping activities 3.5 Process written maintenance 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

RIIMCU305A Conduct outburst mining operations

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 RIIMCU305D Conduct outburst mining operations

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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 conducting of outburst mining operations including:
 - reading, interpreting and applying mine rescue procedures and manager's rules
 - applying resuscitation
 - testing and interpreting gases
 - reading/identifying geological change
 - operating communications system
 - operating breathing apparatus
 - applying rescue techniques
 - accessing, reading and interpreting outburst management plan
- works effectively with others to undertake and complete outburst mining operations in a way that meets all of the required outcomes including:
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - complying with written and verbal reporting requirements and procedures
 - resolving coordination requirements throughout work activities
- demonstrates completion of conducting outburst mining operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:

- completing strata control operations
- completing outburst pre-operational checks such as;
 - emergency equipment base
 - miner
 - shuttle car
 - services
- monitoring environment for conditions such as;
 - stretch marks
 - cutters
 - calcite bands
 - coal changing colour
 - mylonite
 - coal softening/hardening
 - dyke stringers
 - cindered coal
 - change in gas make/type

Knowledge Evidence

The candidate must demonstrate knowledge of conducting outburst mining operations through:

- operation of fresh air base/emergency equipment station
- geological conditions
- applying mining methods/sequence
- accessing and applying outburst manning equation
- accessing and applying pre-drilling data
- equipment characteristics, technical capabilities and limitations
- applying geological and survey data
- being prepared for fire/accident/emergency

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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