



**Australian Government**

# **RIIMCU502D Implement the gas management plan**

**Release: 2**

## RIIMCU502D Implement the gas management plan

### Modification History

Release	Comment
1	This unit replaces RIIMCU502A Implement the gas management plan
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 implement the gas management plan in Coal mining.

This unit is appropriate for those working in supervisory 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

Coal mining (Underground)

### Elements and Performance Criteria

1. Plan and prepare for the implementation of the gas management plan	<p>1.1 Access, interpret and apply gas management plan implementation documentation, and ensure the work activity is compliant</p> <p>1.2 Access, interpret and clarify the legislative and site requirements related to gas management systems</p> <p>1.3 Access, interpret and clarify the gas management plan</p> <p>1.4 Identify and communicate roles and responsibilities, as specified in the gas management plan to all involved persons</p> <p>1.5 Identify, forecast, obtain and allocate/schedule resources required for the implementation of the gas management plan</p> <p>1.6 Identify training needs</p> <p>1.7 Review gas management procedures and, implement</p>
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	identified changes
2. Implement mine gas monitoring measures	<p>2.1 Identify, measure and interpret the impact of changes in composition, the concentration of gas and gas make, and associated hazards on the mine atmosphere</p> <p>2.2 Implement procedures for the installation, operation and maintenance of gas monitoring systems</p> <p>2.3 Implement systems and procedures for the collection and analysis of gas samples</p> <p>2.4 Record and report monitoring system data in accordance with the gas management plan</p> <p>2.5 Investigate changes in mine atmosphere status and implement appropriate corrective action and</p> <p>2.6 Record and process reports</p>
3. Implement ventilation/gas control measures	<p>3.1 Monitor mine factors and action in accordance with the gas management plan</p> <p>3.2 Implement gas hazard control procedures associated with gas drainage, outburst mining conditions and the gas management plan</p> <p>3.3 Identify and implement appropriate response procedures in situations where trigger levels are reached</p> <p>3.4 Implement ventilation and gas monitoring systems and surveys to assess the status of the systems</p> <p>3.5 Implement procedures covering the relocation, operation and maintenance of drilling rigs and gas drainage infrastructure according to site requirements</p> <p>3.6 Implement systems to prevent and/or respond immediately to the intersection of current and other workings</p> <p>3.7 Implement gas emergency and evacuation procedures in accordance with the Mine Safety Management System</p> <p>3.8 Implement the gas management training plan</p>
4. Audit gas management systems	<p>4.1 Review the effectiveness of the gas management systems in accordance with the requirements of the gas management plan</p> <p>4.2 Audit mine gas monitoring systems operations for compliance with legislative requirements and the gas management plan</p> <p>4.3 Audit mine gas control devices for compliance with legislative and mine site requirements</p> <p>4.4 Audit recording systems for compliance with the gas management plan</p> <p>4.5 Audit the maintenance program and procedures for</p>

	<p>compliance with the gas management plan</p> <p>4.6 Audit gas emergency and evacuation procedures for compliance with the mine safety management system</p> <p>4.7 Audit the gas management training plan for currency, relevance and compliance with the gas management plan</p>
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## 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

RIIMCU502A Implement the gas management plan

## Links

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