



Australian Government

RIIUND501E Implement the ventilation management plan

Release: 1

RIIUND501E Implement the ventilation management plan

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to implement ventilation management plans in coal and metalliferous mining, including implementing and reviewing ventilation specifications, ventilation control devices, monitoring systems and alarm responses.

This unit is appropriate for those working in supervisory or technical specialist roles. They generally monitor a broad range of operational activities in their area of responsibility and are responsible for monitoring a safe work environment.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Coal mining

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to implement ventilation management plan	1.1 Access, interpret and implement ventilation management documentation and confirm work activity is compliant 1.2 Identify, and communicate roles and responsibilities to all personnel involved according to ventilation management plan 1.3 Identify, forecast, obtain and allocate/schedule resources required to implement ventilation management plan 1.4 Identify training needs for personnel involved according to ventilation management plan and within scope of own role
2. Implement	2.1 Identify and interpret impact of changes to ventilation system on

ELEMENT	PERFORMANCE CRITERIA
ventilation management plan	mine atmosphere 2.2 Implement standards and procedures for installation and operation of monitoring systems and equipment according to ventilation management plan 2.3 Incorporate ventilation control devices into ventilation system according to ventilation management plan 2.4 Implement standards and procedures for inspection, monitoring, recording and reporting on mine ventilation according to ventilation management plan 2.5 Implement standards and procedures for collection and analysis of ventilation data according to ventilation management plan 2.6 Process, record and report monitoring system data according to ventilation management plan and site requirements 2.7 Interpret and compare measured data with legislative requirements and ventilation management plan and action requirements 2.8 Respond to alarms raised according to ventilation management plan 2.9 Implement emergency and evacuation procedures according to ventilation management plan and site requirements
3. Implement maintenance of and changes to mine ventilation system	3.1 Implement inspections, repair and maintenance activities according to ventilation management plan 3.2 Implement system of recording, reporting and reviewing maintenance requirements and activities according to ventilation management plan 3.3 Implement changes to mine ventilation systems according to ventilation management plan and site requirements 3.4 Provide, review and implement recommendations for changes to ventilation management procedures as required
4. Audit ventilation management plan	4.1 Audit ventilation specifications according to legislative requirements and ventilation management plan 4.2 Audit ventilation control devices according to legislative requirements and ventilation management plan 4.3 Audit monitoring systems operations according to legislative requirements and ventilation management plan 4.4 Audit recording systems according to ventilation management plan 4.5 Audit ventilation system maintenance standards and procedures according to ventilation management plan 4.6 Audit emergency and evacuation plans according to mine safety management system

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Oral communication	Conveys information and requirements clearly and listens actively
Reading	Identifies and interprets relevant information from workplace procedures, documentation and legislation
Writing	Prepares specific information that complies with requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIUND501D Implement the ventilation management plan.

Links

Companion Volume Implementation Guide is found on VETNet -

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