



Australian Government

RIIMSM307D Install and maintain ventilation systems and equipment

Release: 2

RIISM307D Install and maintain ventilation systems and equipment

Modification History

Release	Comment
1	This unit replaces RIISM307A Install and maintain ventilation systems and equipment
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 and maintain ventilation systems and equipment in Metalliferous Mining (Small Mines).

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 (Small Mines)

Elements and Performance Criteria

1. Plan and prepare for installation and maintenance of ventilation systems and equipment	1.1. Access, interpret and apply ventilation systems and equipment 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. Inspect and evaluate mine configuration, or obtain advice from appropriate source, to identify the most effective mine ventilation method 1.5. Determine ventilation system configuration and location of ventilation equipment and devices for effective mine ventilation
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	1.6. Identify and obtain required ventilation equipment and devices 1.7. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency 1.8. Select and wear personal protective equipment appropriate for work activities
2. Install/construct ventilation system	2.1. Coordinate activities with others throughout the work activity 2.2. Prepare work site and establish a safe working environment 2.3. Install ventilation equipment in designated location 2.4. Construct ventilation device in designated location 2.5. Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment
3. Monitor and maintain mine ventilation system	3.1. Carry out inspections of ventilation equipment, devices and system to ensure safe efficient operation 3.2. Detect and measure airflow and adjust ventilation system to maintain adequate flow of air through the mine 3.3. Monitor and maintain mine air quality to identify impurities and contaminants to ensure respirability of mine air 3.4. Obtain and prepare necessary replacement materials/equipment required for the work 3.5. Carry out maintenance work 3.6. Process written and verbal records and reporting requirements

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

RIIMSM307A Install and maintain ventilation systems and equipment

Links

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