



**Australian Government**

# **RIIERR305D Control underground fires**

**Release: 4**

## RIIERR305D Control underground fires

### Modification History

Release	Comment
1	This unit replaces RIIERR305A Control underground fires.
2	Add Coal Mining Sector to Unit Sector field.
3	Assessment Conditions amended.
4	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 control underground fires in Coal Mining and 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.

### Pre-requisite Unit

### Competency Field

### Unit Sector

- Metalliferous mining
- Coal Mining

### Elements and Performance Criteria

1. Plan and prepare for the control of underground fires	1.1 Access, interpret and apply control of underground fires documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements
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	<p>1.3 Identify and address potential risks, hazards and environmental issues and implement control measures</p> <p>1.4 Select and wear personal protective equipment appropriate for work activities</p> <p>1.5 Interpret data and reports to determine cause and location of fire and record on the mine plan</p> <p>1.6 Assess type, size and spread of fire to determine risk</p> <p>1.7 Identify and assess potential ignition sources for further fires to determine control measures and record on the mine plan</p> <p>1.8 Assess secondary risks and recommend actions for control</p> <p>1.9 Assess fire-fighting personnel's exposure to fire and identify methods and equipment to control risks</p> <p>1.10 Determine personnel numbers, equipment and personal protective equipment requirements</p> <p>1.11 Determine fire-fighting strategy and procedures</p> <p>1.12 Assess fire control equipment and fire-fighting media capability and quantity, and decide on the appropriate course of action</p> <p>1.13 Communicate and assign activities to personnel</p> <p>1.14 Identify and apply ventilation monitoring and control measures</p> <p>1.15 Assess need for evacuation of personnel and take appropriate action</p> <p>1.16 Prepare action plan</p>
2. Control the fire	<p>2.1 Isolate and barricade fire area/zone to prevent entry of non-involved personnel</p> <p>2.2 Access, assemble and test equipment determined in the action plan</p> <p>2.3 Apply fire-fighting techniques and methods determined in the action plan</p> <p>2.4 Maintain communication with other fire-fighters and emergency control personnel on condition of fire and status of fire control operations</p> <p>2.5 Continue to monitor fire and put controls in place to ensure the safety of personnel in the vicinity of the fire</p> <p>2.6 Continue to reassess and apply ventilation control measures</p> <p>2.7 Continue to monitor fire and fire-fighting activities to determine ability to continue to handle the situation and take action</p> <p>2.8 Minimise damage and disruption to mine working during the</p>

	fire control operation 2.9 Assess fire intensity and magnitude, withdraw from fire zone and relocate fire control equipment to a safe place if fire is uncontrollable 2.10 Bring fire safely under control and extinguish 2.11 Monitor fire site and take actions to prevent possible re-ignition 2.12 Report to emergency control personnel 2.13 Monitor for structural and ground support integrity
3. Restore and refurbish fire equipment to operational condition	3.1 Inspect equipment for any damage 3.2 Repair, replenish or replace defective/depleted equipment 3.3 Tag, record and quarantine unusable equipment 3.4 Return fire control system and equipment to operational readiness 3.5 Process written records and reports

## 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.

## Range of Conditions

## Unit Mapping Information

RIIERR305A Control underground fires

## Links

Companion Volume implementation guides are found in VETNet -

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