



Australian Government

RIIERR204E Provide aided rescue to endangered personnel

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.

Application

This unit describes the skills and knowledge required to identify, plan and provide aided rescue to endangered personnel, where potential irrespirable atmospheres exist in an underground mining environment.

This unit applies to those working in site-based roles in underground coal mining and underground metalliferous mining environments.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Coal mining (underground)

Metalliferous mining (underground)

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 for aided rescue during incident	1.1 Interpret alarms and indicators to determine type, cause, location, and severity of hazard or situation 1.2 Access, interpret and apply aided rescue documentation 1.3 Obtain, interpret, clarify and confirm work requirements and confirm compliance 1.4 Identify hazards and environmental issues, assess the risks, and implement control measures 1.5 Identify, establish and maintain communication systems with other personnel during emergency 1.6 Locate, select and wear personal protective equipment required

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	for work activities, including breathing apparatus caches 1.7 Locate, obtain and test emergency equipment
2. Assess incident scene and plan rescue strategy	2.1 Confirm situation information and hazards involved in rescue operation 2.2 Determine locations of endangered mine personnel 2.3 Identify best route and method of travel to location of endangered mine personnel 2.4 Identify and determine best location for a fresh air base 2.5 Assess situation and select safest and most effective extrication method 2.6 Refer to mine plan and identify escape route and alternative escape route from incident scene to fresh air base 2.7 Test mine atmosphere to determine air quality 2.8 Assess threats and dangers to mine personnel and rescuers 2.9 Identify need for, and organise, additional rescue resources and equipment 2.10 Clarify and confirm aided rescue strategy
3. Extricate and evacuate endangered personnel to fresh air	3.1 Isolate mine services and secure incident site for safe entry with the use of barricades and reinforcements 3.2 Put on and test breathing apparatus 3.3 Locate endangered mine personnel as per rescue strategy 3.4 Assess and monitor physical and emotional condition of endangered personnel, provide support and administer emergency first aid where necessary 3.5 Extricate endangered mine personnel from entrapment in line with workplace procedures 3.6 Evacuate from incident scene by established or alternative escape route to fresh air base, according to aided rescue strategy and at optimum travel rate 3.7 Maintain communication with emergency control and fresh air base personnel 3.8 Monitor air and oxygen usage and adjust rate of travel accordingly

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	3.9 Change over or refill self-rescuer and breathing apparatus 3.10 Continuously monitor health, safety and environmental hazards, including mine atmosphere 3.11 Evaluate the need for, locate and retreat to, a place of safety outside incident scene for endangered and rescue personnel, including building barricades for protection if required
4. Perform post-incident procedures	4.1 Provide details of rescue to relevant personnel in line with workplace procedures 4.2 Conduct incident debrief and complete required documentation in line with workplace procedures 4.3 Evaluate the need for voluntary counselling, and refer self, mine personnel, and rescue personnel within scope of own role

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skill	Description
Reading	Identifies and interprets relevant information and ideas from workplace procedures, documentation, legislation, and regulations
Oral Communication	- Uses everyday language to provide information and maintain conversations in site-based contexts - Listens for relevant information in oral texts in site-based contexts

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIERR204E Provide aided rescue to endangered personnel	RIIERR204D Provide aided rescue to endangered personnel	Minor updates to all sections.	Equivalent unit

(Release 1)	(Release 2)		
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Links

Companion Volume implementation guides are found in VETNet -

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