



Australian Government

RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus

Release: 1

RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus

Modification History

This unit replaces RIIERR303D Operate in self-contained regenerative oxygen breathing apparatus. Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

Application

This unit describes the skills and knowledge required to navigate, communicate, and apply safe work processes and procedures using a self-contained regenerative oxygen breathing apparatus in an irrespirable atmosphere in the resources and infrastructure industries.

It applies to those who work in operational roles. They generally work in teams and have some responsibility for the outcomes of others.

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

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. Prepare to operate in breathing apparatus	1.1 Access, interpret and apply operating in breathing apparatus documentation 1.2 Obtain, interpret, clarify and confirm work requirements 1.3 Assess potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear required protective equipment appropriate for work activities 1.5 Ensure fitness levels are suitable to operate in breathing apparatus 1.6 Carry out pre-operational equipment tests and record test outcomes 1.7 Inspect apparatus for damage, missing components and readiness for operation before entering mine 1.8 Put on and adjust self-contained regenerative oxygen breathing apparatus 1.9 Select additional required personal protective

ELEMENT	PERFORMANCE CRITERIA
	equipment 1.10 Communicate and coordinate activities with others
2. Operate in irrespirable atmosphere	2.1 Navigate in breathing apparatus 2.2 Identify, monitor and control risks and hazards 2.3 Establish and maintain communication with team members and team leader throughout the operation 2.4 Apply breathing apparatus techniques and safe work procedures 2.5 Follow unit failure processes according to workplace procedures 2.6 Monitor the operation of the breathing apparatus and the condition of self and other personnel 2.7 Follow entrapment procedures
3. Carry out post-operation activities	3.1 Close down self-contained regenerative oxygen breathing apparatus 3.2 Remove self-contained regenerative oxygen breathing apparatus 3.3 Process required written reports according to workplace policies and procedures and communicate to relevant personnel 3.4 Strip, clean, service, check, reassemble and test breathing apparatus 3.5 Record and report any faults 3.6 Store equipment ready for operational use

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
Writing	Prepares specific information that complies with a range of regulatory requirements, using sector-specific terminology
Oral communication	Conveys information and requirements clearly, and listens carefully
Reading	Identifies and interprets relevant information from workplace procedures, documentation, legislation and regulations

Unit Mapping Information

Supersedes and is equivalent to RIIERR303D Operate in self-contained regenerative oxygen breathing apparatus.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus

Modification History

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- operate in a self-contained regenerative oxygen breathing apparatus in a manner that safely, effectively and efficiently meets all of the required outcomes on at least two occasions, including:
 - selecting and using appropriate personal protective equipment
 - conducting pre-operational checks and equipment testing
 - reading site plans and symbols and navigating the site
 - interpreting monitoring device readings
 - stripping and reassembling equipment
 - cleaning, servicing and testing equipment.

During the above, the candidate must:

- locate and apply relevant documentation, policies and procedures
- implement the requirements, procedures and techniques for the safe, effective and efficient completion of operating in a self-contained regenerative oxygen breathing apparatus, including:
 - operating in escape apparatus
 - identifying and managing hazards
 - identifying adverse conditions
 - interpreting manufacturer specifications
- work effectively with others to undertake and complete the operating in self-contained regenerative oxygen breathing apparatus tasks that meet all the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to coordinate work activities.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- effects of irrespirable atmospheres on the body
- protective equipment uses and limitations
- characteristics, component parts and operation of self-contained regenerative oxygen breathing apparatus
- testing parameters and methods.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below.

The assessment must:

- include access to:
 - self-contained regenerative oxygen breathing apparatus
 - personal protective equipment required for the activities described in the performance evidence
- be conducted in a safe environment
- be assessed in context of this sector's work environment
- be assessed in compliance with relevant legislation and regulations and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment* provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

Assessor Requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing a high level of RII training product knowledge

- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must hold the relevant vocational competencies and have current industry skills directly relevant to the training and assessment being provided and must work alongside a trainer and/or assessor to conduct the assessment. This means the industry subject matter expert should hold the unit being assessed (or an equivalent unit), and must also demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 years
Other sectors	Where this unit is being assessed outside of the resources and infrastructure sectors assessor and/or industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no industry standard is specified should comply with any relevant regulation.	

*Guidance on simulated environments has been stipulated in the RII Companion Volume Implementation Guide located on VETNet.

**Assessors can demonstrate current work experience through employment within industry in a role relevant to the outcomes of the unit; or, for external assessors this can be demonstrated through exposure to industry by conducting a minimum number of site assessments as determined by the relevant industry sector, across various locations.

*** While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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