



Australian Government

**Assessment Requirements for RIERR601E
Establish and maintain mine emergency
preparedness and response systems**

Release: 1

Assessment Requirements for RIIERR601E Establish and maintain mine emergency preparedness and response systems

Modification History

This unit replaces RIIERR601D Establish and maintain mine emergency preparedness and response systems. 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.

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:

- establish and maintain mine emergency preparedness and response systems in a manner that safely, effectively and efficiently meets all of the required outcomes on at least two occasions, including:
 - establishing processes to investigate nature and cause of emergency/incident clearly and concisely communicating and explaining, plans and supporting information, in a form readily accessible to others
 - identifying, clarifying and communicating roles and responsibilities, to all personnel
 - implementing the allocation and installation of resources
 - implementing the emergency preparedness and response training program
 - developing review mechanisms from both internal and external sources
 - establishing plans to manage post-incident actions.

During the above, the candidate must:

- locate and apply relevant legislation, documentation, policies and procedures
- implement procedures and techniques for the safe, effective and efficient establishment and maintenance of the mine emergency preparedness and response systems, including:
 - assessing and prioritising implementation processes
 - analysing hazards and risks to consider in the establishment and maintenance of the mine emergency preparedness and response systems
 - maintaining standards for establishment and maintenance of the mine emergency preparedness and response systems
 - providing clear and timely instruction and supervision to those involved in the mine emergency preparedness and response systems
 - identifying training needs of individuals involved in the mine emergency preparedness and response systems, and prepares training plans
- work with and lead others to undertake and complete the establishment and maintenance of the mine emergency preparedness and response systems, including:
 - facilitating groups to work together

- establishing and maintaining a range of communication techniques and aids to advise others of work activity
- using written and verbal communication systems to convey all activities and outcomes for coal mine emergency preparedness and response to others in a clear and concise manner.

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:

- legislative, regulatory and certification requirements
- techniques for communicating verbally and in writing the roles and responsibilities requirements of stakeholders
- hazard identification, risk assessment and risk treatment processes
- incident and risk data analysis techniques
- document control requirements
- consultative, coaching and leadership techniques
- plant and equipment capabilities and limitations
- work planning techniques
- techniques for establishing auditing, monitoring, recording and reporting systems in consultation with stakeholders
- training systems, techniques for identifying individuals and work groups training needs, and techniques for implementing training plans
- consultation, mine emergency response and evacuation planning processes and techniques
- exploration techniques, ground support methods and systems
- mine planning and design principles
- mine surveying data uses and analysis techniques
- mining and general engineering principles
- operational techniques to execute required systems
- emergency procedure guideline structures
- legal requirements of incident management teams
- self-escape, aided rescue and respond to incident philosophies, systems and equipment
- structure, roles, capabilities and limitations of external services and agencies relevant to emergency preparedness and response
- intervention and control techniques for heating, fires, explosions, outburst, extrication or inrushes
- effects of heat and humidity on emergency rescue and response
- effects of impaired visibility on emergency rescue and response
- escape strategies and technology
- equipment requirements for different types of emergency
- ventilation and its influence on incidents
- call-out procedures
- emotional effects of emergencies on rescuers and mine personnel

- titles and roles of members of incident management team
- de-briefing processes
- techniques for staff deployment and re-deployment after emergency/evacuation
- personnel requirements to run the site at planned operational levels
- requirements and structure for fresh air base
- decision-making processes
- legislation regarding resumption of normal operations
- techniques for mobilisation, deployment and use of equipment
- key insurance policies and requirements
- mine closure procedures and the legislative implications
- sealing procedures and the legislative implications
- requirements for site security and access control
- economic considerations and impacts on decisions.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below.

The assessment must:

- include access to:
 - site plans
 - 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.

Links

Companion Volume implementation guides are found in VETNet -

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