



Australian Government

RIIERR401E Apply and monitor emergency preparedness and response systems in surface operations

Release: 1

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Modification History

This unit replaces RIIERR401D Apply and monitor surface operations 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.

Application

This unit describes the skills and knowledge required to plan, monitor and coordinate emergency preparedness and response systems for surface operations emergencies in the resources and infrastructure industries.

It applies to those who work in supervisory roles. They are generally responsible for the outcomes of others, contribute to the development of solutions to non-routine problems, and apply management plans in the workplace.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

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 to apply emergency preparedness and response systems	1.1 Access, interpret and apply documentation required for surface operations emergency preparedness and response systems 1.2 Obtain, interpret, clarify and confirm work requirements 1.3 Identify and assess potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Access, interpret and explain emergency preparedness and response plans 1.6 Identify, interpret and communicate roles and responsibilities, as specified in the emergency and response plans

ELEMENT	PERFORMANCE CRITERIA
	1.7 Communicate and coordinate activities with others prior to work activity 1.8 Identify, obtain and allocate resources required for the application of the plan 1.9 Identify training needs of individuals, and prepare training plans
2. Apply emergency preparedness and response plan	2.1 Receive, confirm and communicate incident information to required personnel 2.2 Identify, assess and communicate type and scope of the incident 2.3 Apply and monitor emergency response, evacuation and action plans/procedures 2.4 Apply procedures for monitoring, recording and reporting on emergency incident 2.5 Apply procedures for collection, analysis and validation of emergency preparedness and response data 2.6 Manage the incident according to own job role 2.7 Identify and locate emergency equipment and apply to the incident 2.8 Isolate potential sources of danger and install warning signs/signals/barriers 2.9 Coordinate and control response to incident 2.10 Communicate incident information to required personnel 2.11 Participate in audit, debrief and review requirements 2.12 Process required written records and reports
3. Apply emergency preparedness and response plan routine maintenance procedures	3.1 Schedule and carry out inspections, equipment repair and maintenance activities 3.2 Record and report required maintenance, and recommend corrective actions

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
Problem solving	• Applies problem solving processes to identify risks, evaluate options and determine solutions
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 RIIERR401D Apply and monitor surface operations emergency preparedness and response systems.

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 RIIERR401E Apply and monitor emergency preparedness and response systems in surface operations

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:

- apply and monitor emergency preparedness and response systems in surface operations in a manner that safely, effectively and efficiently meets all of the required outcomes on at least two occasions, including:
 - isolating potential risks and hazards using barricading techniques
 - identifying training needs and prepares training plans
 - identifying, assessing and communicating types and scope of incidents
 - collecting, analysing and validating preparedness and response data
 - locating and applying the use of emergency equipment
 - participating in audits, debriefs and reviews of incidents and procedures.

During the above, the candidate must:

- locate and apply relevant legislation, documentation, policies and procedures
- work effectively with others to apply and monitor surface operations emergency preparedness and response systems that meets 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
 - operating emergency communication systems.

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:

- audit and review processes and techniques
- key assessment principles
- emergency response and evacuation planning processes and techniques
- structure of emergency procedures guidelines

- intervention/control techniques for heating, fires, explosions, outburst, or inrushes
- effects of hot and humid atmospheres
- escape strategies and technology
- equipment requirements for different types of emergencies
- call-out procedures
- roles of key external agencies
- structure, role and responsibilities of the Incident Control
- trigger points to initiate emergency response to alarms
- guidance system and marker uses
- key components and requirements of site emergency plans
- types of adverse environmental conditions
- risk management principles and techniques.

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.

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