



Australian Government

RIIERR202D Contribute to the control of emergencies and critical situations

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIIERR202A Contribute to the control of emergencies and critical situations
2	Editorial corrections
3	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 contribute to the control of emergencies and critical situations in Drilling.

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

Unit Sector

Drilling (Oil/Gas)

Elements and Performance Criteria

1. Plan and prepare for the control of emergencies and critical situations	1.1 Access, interpret and apply control of drilling emergencies and critical situations documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Communicate and coordinate activities with others prior to, during and on completion of the work activity 1.6 Identify, establish and maintain communication systems with
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	other personnel during the drilling emergency
2. Contribute to the control of critical situations	2.1 Identify and maintain safe working practices 2.2 Interpret/apply national standards and code of practice for manual handling 2.3 Identify and initiate actions in response to developing, emerging and existing critical situations 2.4 Activate relevant alarms 2.5 Identify, interpret and apply processes and systems to quickly and competently close the well 2.6 Identify, interpret and apply well kick signs 2.7 Locate full opening safety valve, blow out prevention (BOP) and flow control head 2.8 Provide assistance in the application of First Aid and medivac procedures 2.9 Monitor the situation and initiate actions to minimise risks to personnel, environment, process, plant, tools and equipment 2.10 Maintain verbal and written reporting requirements of critical situations 2.11 Participate in debriefs and complete written records/documentation
3. Respond to emergencies in other areas	3.1 Identify and maintain safe working practices 3.2 Identify and initiate actions in response to developing, emerging and existing critical situations 3.3 Activate relevant alarms 3.4 Provide clear, concise and accurate information in relation to the emergency 3.5 Adhere to authorised emergency procedures 3.6 Monitor the situation and initiate actions to minimise risks to personnel, environment, process, plant, tools and equipment 3.7 Participate in debriefs and complete written records/documentation
4. Comply with rig safety procedures	4.1 Identify, interpret, confirm and apply signals and maintain safe working procedures for operation of manriding winch 4.2 Obtain lift authorisation from relevant personnel 4.3 Inspect man riding harness and hoist, record and report any faults 4.4 Apply manual handling techniques when lifting, pushing,

	pulling, carrying or restraining objects 4.5 Set and pull manual slips 4.6 Operate make-up and break-out manual tongs 4.7 Move drill floor drilling tools and equipment 4.8 Read, interpret and apply isolation and tagging procedures 4.9 Read, interpret and apply permit to work system 4.10 Attend and participate in pit emergency drills and safety meetings
5. Participate in fire drills	5.1 Recognise and comply with fire alarm signals 5.2 Operate portable extinguishing equipment, fire hose and nozzles 5.3 Identify and comply with fire team instructions 5.4 Identify assigned fire/boat station and follow procedures

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.

Unit Mapping Information

RIIERR202A Contribute to the control of emergencies and critical situations

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 RIIERR202D Contribute to the control of emergencies and critical situations

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include that the candidate:

- locates and applies relevant documentation, policies and procedures to contribute to the control of emergencies and critical situations
- implements requirements, procedures and techniques for the safe, effective control of emergencies and critical situations including:
 - identifying effects of changes of ambient conditions on operations
 - read and interpret drawings and manuals
 - operating equipment
 - setting and pulling manual slips
 - operating manual make-up tongs
 - operating manual break-out tongs
 - identifying and moving drills, tools and equipment around drill floor
 - applying manual handling techniques
 - • knowledge of manual duties of each rig crew member during a well kick drill
- works with others to undertake the control of emergencies and critical situations that meets all of the required outcomes including:
 - using a range of communications techniques and equipment to convey information to others
 - maintaining written and verbal reporting requirements and procedures
 - communicating to confirm work/plans/specifications

- demonstrates completion of the contribution to the control of emergencies and critical situations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - contributing to the control of critical situations including:
 - activating relevant alarms
 - quickly and competently closing the well
 - initiate actions in response to critical situations
 - responding to emergencies
 - applying safe manual handling techniques when lifting, pushing, pulling, carrying or restraining objects
 - participating in fire drills
 - providing assistance in the application of first aid and medivac procedures

Knowledge Evidence

The candidate must demonstrate knowledge in control of emergencies and critical situations through:

- emergencies and critical situations
- complying with the fire and gas control system
- isolation and permit to work systems
- identifying and using well kicks procedures
- operating a full-opening safety valve, and inside bop
- emergency shutdown control procedure

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated 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; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,

- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 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.	

*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 frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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