



Australian Government

RIIOGD305D Apply blow out prevention operational procedures

Release: 3

RIIOGD305D Apply blow out prevention operational procedures

Modification History

Release	Comment
1	This unit replaces RIIOGD305A Apply blow out prevention operational procedures. Performance Criteria amended to include Housekeeping element and improve Plan and Prepare element.
2	Editorial corrections.
3	Performance Criteria numbering corrected. 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 apply blow out prevention operational procedures in Coal Mining and Drilling.

This unit is appropriate for those working in supervisory roles.

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

Unit Sector

Coal mining

Drilling

Elements and Performance Criteria

1. Plan and prepare for applying blow out prevention operational procedures	1.1 Access, interpret and apply blow out prevention (BOP) operational documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify, address and report potential hazards and environmental issues and implement control measures
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	1.4 Select and wear personal protective equipment appropriate to the work activities 1.5 Resolve coordination requirements with others at the site prior to commencing, during, and on completion of work activities
2. Apply coal seam gas control strategies	2.1 Apply approved methods to control identified hazards associated with coal seam gas control 2.2 Recognise and respond to early warning signs of kicks and coal seam wells going under-balanced 2.3 Recognise kick indicators and apply kick detection methods and responses 2.4 Operate equipment to control swabbing and surging 2.5 Apply tripping methods 2.6 Perform shut-in procedures for bottom-drilling and coal seam gas tripping-in/out 2.7 Apply relevant requirements and regulations related to coal seam gas control and influx prevention 2.8 Prepare written records and reports
3. Coordinate coal seam gas control crew activities	3.1 Inform assistants of their roles and responsibilities in a coal seam gas control situation and monitor their application 3.2 Communicate operational activities and information to other crew during coal seam gas control and blow out prevention operations 3.3 Conduct coal seam gas control drills and exercises to ensure crew readiness for emergency situations
4. Operate and monitor coal seam gas control equipment and processes	4.1 Verify availability and set-up of coal seam gas control equipment 4.2 Inspect coal seam gas control equipment for safety and fitness-for-purpose and rectify and/or report faults and malfunctions 4.3 Install, test and operate coal seam gas control equipment 4.4 Monitor, read and interpret measuring and testing equipment and devices to ensure planned, safe coal seam gas control 4.5 Assist in installation, maintenance and replacement of equipment
5. Apply coal seam gas kill procedures	5.1 Confirm coal seam gas control procedures and activities with crew members 5.2 Check, read, interpret and record pressures and gauges and undertake corrective action 5.3 Apply operational instructions

	5.4 Apply coal seam gas control working practices 5.5 Apply coal seam gas kill methods 5.6 Monitor the operation of blow out prevention (BOP) 5.7 Monitor and adjust the operation of blow out prevention (BOP) control system 5.8 Monitor and control circulation and circulation paths to ensure effective coal seam gas control 5.9 Carry out emergency shutdown procedures 5.10 Communicate incident information to other crew members
6. Conduct housekeeping activities	6.1 Clean, check, maintain and store plant, tools and equipment 6.2 Report issues identified with plant, tools and equipment

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

This unit replaces RIIOGD305A Apply blow out prevention operational procedures.

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 RIIOGD305D Apply blow out prevention operational procedures

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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 evidence that the candidate:

- locates and applies applicable documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of the applying of blow out prevention operational procedures including:
 - identifying, addressing and reporting potential hazards and risks
 - controlling identified hazards
 - identifying, addressing and reporting environmental issues
 - preparing written records and reports
 - rectifying and/or reporting faults and malfunctions
- works effectively with others to undertake and complete the applying of blow out prevention operational procedures that meets all of the required outcomes including:
 - resolving coordination requirements with others at the site prior to commencing and during work activities
 - preparing for and organising work activities to meet all task requirements

- communicating clearly and concisely with others to receive and clarify work instructions
- demonstrates completion of applying blow out prevention operational procedures that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - applying kick detection methods and responses
 - confirming coal seam gas control procedures and activities with crew members
 - conducting drills and exercises with crew in readiness of emergencies
 - inspecting coal seam gas control equipment for safety and fitness-for-purpose
 - installing, testing, operating and monitoring coal seam gas control equipment
 - applying coal seam gas kill methods
 - identifying and recognising kick indicators
 - identifying the effects of swabbling and surging
 - Carry out effective supervision of applying blow out prevention operational procedures

Knowledge Evidence

The candidate must demonstrate knowledge in applying the apply blow out prevention operational procedures through:

- accessing, interpreting and applying the organisation and site requirements and procedures for:
 - identifying and managing risks
 - identifying, addressing and reporting environmental issues
 - setting up work activity
 - site isolation, signage and erecting barriers
 - work health and safety
 - selecting and checking for faults, all plant, tools and equipment to carry out tasks
 - carrying out work to specifications
 - applying effective techniques for applying blow out prevention operational procedures
 - applying standard working practices and procedures for applying blow out prevention operational procedures^o applying correct methods to control identified hazards
 - applying technical solutions for coal seam gas control
 - delegating roles and responsibilities of assistants
 - maintaining coal seam gas control equipment
 - responding to emergency situations

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 must be assessed in the context of this sector's work environment; 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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