



Australian Government

RIIOGD501D Manage rig operations

Release: 2

RIIOGD501D Manage rig operations

Modification History

Release	Comment
1	This unit replaces RIIOGD501A Manage rig operations
2	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 develops a participant's skills and knowledge required to manage rig operations in 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

Drilling

Elements and Performance Criteria

1. Plan and prepare for managing rig operations	1.1 Access, interpret and apply rig operations 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, risks and environmental issues and implement control measures 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 1.6 Obtain copy of well program for next well prior to moving on to lease 1.7 Read and interpret well program and check all necessary
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	contractor-supplied equipment availability and rectify anomalies 1.8 Check for casing discrepancies or obvious mistakes and take corrective action 1.9 Verbally communicate with company representative if changes are required to program 1.10 Inform others of all required or possible changes to program
2. Establish lease	2.1 Obtain lease details and locate and inspect lease 2.2 Inform construction company of lease details including all infrastructure arrangements 2.3 Make contact with owners and statutory bodies and ensure compliance with regulations 2.4 Establish, check and communicate directions to lease 2.5 Establish right-of-way to lease, identify, rectify potential problems and communicate to appropriate personnel, third parties and regulators 2.6 Establish camp location, check infrastructure/safety arrangements and rectify issues identified 2.7 Check and adjust supply sources and expendables to meet current requirements 2.8 Establish medical aid and medivac procedures and communicate to personnel and appropriate authorities 2.9 Organise camp supplies prior to camp set-up and make necessary arrangements for transporting of requisites 2.10 Establish and monitor rubbish/waste arrangements for disposal
3. Communicate and report outcomes	3.1 Confirm lease establishment information with appropriate personnel, third parties and regulators and submit written reports 3.2 Review, update and implement contract information for pre-well preparation 3.3 Report new lease data to appropriate officers using correct reporting strategies 3.4 Review and amended shutdown procedures and communicate activity to relevant parties

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

RIIOGD501D Manage rig operations

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 RIIOGD501D Manage rig operations

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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 legislation, documentation, policies and procedures for managing rig operations
- implements the requirements, procedures and techniques for the safe, effective and efficient management of rig operations including:
 - identifying, addressing and reporting potential hazards and risks
 - controlling identified hazards
 - implementing emergency response plan and procedures
 - identifying, addressing and reporting environmental issues
 - checking all contractor-supplied equipment
- works effectively with others to coordinate activities and resolve issues for rig operation to meet all required outcomes including:
 - preparing for and organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones
 - uses written and verbal communications in English to convey all activities and outcomes for rig operations to others in a clear and concise manner
- demonstrates completion of the management of rig operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - establishes camp location, infrastructure

- identifies issues, explores options to resolve issue, considers options and implements best options that resolves issues with rig operations
- organises supplies and expendable requirements to maintain the life of the planned work activity
- solves logistic problems to maintain access to supplies and resources for rig operations and employee welfare
- establish and report on new lease arrangements

Knowledge Evidence

The candidate must demonstrate knowledge in applying manage rig operations through: accessing, interpreting and applying the organisation and site requirements and procedures for:

- planning, programming and preparing for rig operations
- identifying and managing risks
- identifying, addressing and reporting environmental issues
- site preparation and organisation
- work health and safety
- resource and supply requirements
- camp planning and set-upcarrying out rig loading
- performing load spotting
- adhering to rig up procedures
- lease arrangements and requirements
- adhering to rig shutdown procedures

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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