



Australian Government

RIIOGD507D Manage and monitor rig-up and rig-up to spud operations

Release: 3

RIIOGD507D Manage and monitor rig-up and rig-up to spud operations

Modification History

Release	Comment
1	This unit replaces RIIOGD507A Manage and monitor rig-up and rig-up to spud operations
2	Performance Criteria amended to make requirements more explicit.
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 manage and monitor rig-up and rig-up to spud 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 to manage and monitor rig-up and rig-up to spud operations	1.1 Access, interpret and apply documentation for managing and monitoring rig-up and rig-up to spud operations and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential hazards, risks and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate to the work activities
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	1.5 Resolve coordination requirements with others at the site prior to commencing, during and on completion of work activities
2. Commence operations	2.1 Assess rig up and rig up to spud program 2.2 Identify number and expertise of personnel required and obtained 2.3 Assign crews tasks and supervise performance 2.4 Assess safety requirements Undertake equipment checks and rectify/report faults 2.5 Establish rig/lease drainage and effluent disposal 2.6 Supervise spotting and rig assembly and rectify performance issues 2.7 Arrange and supervise engine power start-up
3. Prepare to spud	3.1 Supervise installation of rathole, mousehole and conductor pipe, if required 3.2 Reinforce mud preparation and environmental requirements with crew members 3.3 Confirm circulation and rig up are with crew 3.4 Undertake pre-spud safety inspection and confirm with crew to ensure compliance with regulatory/company requirements
4. Conduct pipe installation/mix mud	4.1 Complete tour sheet incorporating depth of auguring, monitor drilling/auguring processes and identify/report problems 4.2 Assess availability of correct casing and casing tools and rectify for anomalies 4.3 Establish flowline and conductor pipe requirements and put in place 4.4 Check and approve integrity of cement for application, to guard against washout 4.5 Supervise nipping up flowline and operations 4.6 Establish and monitor circulation and spud in 4.7 Check mud mixing procedures and properties 4.8 Record operating outcomes and report
5. Oversee housekeeping activities	5.1 Clean, check, maintain and store plant, tools and equipment 5.2 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

No equivalent Unit

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 RIIOGD507D Manage and monitor rig-up and rig-up to spud 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 relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of management and monitoring of rig-up and rig-up to spud operations including:
 - identifying, addressing and reporting potential hazards and risks
 - controlling identified hazards
 - identifying, addressing and reporting environmental issues
 - preparing written records and reports
 - undertaking inspections for compliance
- works effectively with others to undertake and complete the managing and monitoring of rig-up and rig-up to spud operations to meet all required outcomes including:
 - communicating clearly and concisely with others to receive, give and clarify work instructions
 - preparing for, organising and assigning work activities to meet all task requirements
 - establishing and maintaining coordination with others relating to the work activity
 - complying with written and verbal reporting requirements

- demonstrates completion of management and monitoring of rig-up and rig-up to spud operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - assessing rig up and rig up to spud program
 - supervising spotting and rig assembly and rectifying performance issues
 - arranging and supervising engine power start-up
 - supervising and monitoring preparations to spud
 - carry out pipe installation and establish and monitor circulation
 - issue permits and work orders
 - troubleshoot breakdowns

Knowledge Evidence

The candidate must demonstrate knowledge in managing and monitoring rig-up and rig-up to spud operations through:

- accessing, interpreting and applying legislative, organisation and site requirements and procedures for:
 - identifying and managing risks
 - identifying, addressing and reporting environmental issues
 - setting up work activity
 - work health and safety
 - identifying and correcting operational anomalies
 - selecting and checking for faults, all plant, tools and equipment to carry out tasks
- supervising rigging and dogging practices
- following specific auxiliary rig up sequence
- preventative maintenance

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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