



Australian Government

RIIOGN201F Carry out rig lease operations

Release: 1

RIIOGN201F Carry out rig lease operations

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to apply carry out rig lease operations in drilling. It prepares individuals to provide assistance to tasks including running and recovery of blow out prevention (BOP) stack, loading and unloading equipment and making up drilling mud.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures.

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.

Unit Sector

Drilling

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. Prepare for rig lease operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required for carrying out rig lease operations and confirm work activity is compliant 1.3 Identify and minimise environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for work activities

ELEMENT	PERFORMANCE CRITERIA
	1.5 Communicate with other personnel at site as required and confirm briefings and handover details are communicated and received 1.6 Place and tier tubular in racks and prepare tubular and coil tubing strings as required according to workplace procedures 1.7 Measure, label and record tubular according to workplace procedures 1.8 Operate load shifting equipment according to workplace procedures
2. Prepare and operate pneumatic and electric power tools	2.1 Identify faults with equipment, repair within scope of own role and report to supervising personnel as required 2.2 Operate pneumatic and electric power tools according to operational requirements and workplace procedures
3. Assist drill crew in running and recovery of blow out prevention stack	3.1 Assist winch operator as directed 3.2 Assist in positioning blow out prevention equipment 3.3 Supply tools to drill floor crew as required
4. Provide labour for loading and unloading transport	4.1 Identify load characteristics and confirm load characteristics and transport capacity meet approved parameters 4.2 Assess load for hazardous and dangerous goods 4.3 Assist in loading and unloading equipment and materials using required lifting techniques and according to safety requirements 4.4 Secure load at approved anchorage points as required for transport
5. Provide labour for making up drilling mud, fluid or air injection requirements	5.1 Access and interpret safety data sheet 5.2 Assist with mixing of muds, fluids or air injection requirements as required use correct manual handling techniques 5.3 Use safety equipment correctly in event of personal contact with hazardous materials

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
-------	-------------

SKILL	DESCRIPTION
Numeracy	Interprets numerical information relating to mixing fluids and load height, weight loading, size and distribution

Unit Mapping Information

No equivalent unit. Supersedes and is not equivalent to RIIOGN201E Carry out rig lease operations and RIISV202E Carry out well servicing rig lease operations.

Links

Companion Volume implementation guides is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIOGN201F Carry out rig lease operations

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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:

- carry out rig lease operations on at least two occasions, including:
 - interpreting and applying:
 - work schedules
 - manufacturer instructions
 - safety data sheet
 - safe operating procedures
 - selecting and fitting chain, stinger and slings required for loads
 - transferring equipment by forklift
 - placing, measuring, labelling and recording details of tubular
 - loading rod racks, strapping and numbering tubulars
 - assisting in running and recovery of blow out prevention stack
 - operating air tugger winch if required
 - assisting in supply of transport equipment to drill floor and loading and unloading materials and equipment.

During the above, the candidate must:

- locate and apply documentation, policies and procedures required for carrying out rig lease operations
- implement the requirements, procedures and techniques for carrying out rig lease operations, 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 reporting faults and malfunctions as required

- work with others to undertake and complete rig lease operations that meet required outcomes, including:
 - complying with written and verbal reporting requirements and procedures
 - communicating with others to receive and clarify work instructions
 - communicating with others to meet coordination requirements prior to commencing and during work activities.

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:

- key policies, procedures and established requirements for carrying out rig lease operations, including those for:
 - identifying and managing risks
 - identifying and managing environmental issues
 - setting up for work activity
 - site isolation including using signage and erecting barriers
 - work health and safety
 - emergencies
 - work operations
 - selecting plant, tools and equipment to carry out tasks
 - operating equipment
 - identifying faults in plant, tools and equipment
 - specifications for work
 - using safety equipment in event of personal contact with hazardous materials
 - loading, unloading, lifting and moving equipment
 - mixing mud and fluids
 - air injection
 - drill floor operations
 - accessing and interpreting safety data sheets
 - communicating with other personnel prior to commencing, during and on completion of work activities
- measuring for operational practices using tools, including tapes, rulers and calibration devices
- a range of numerical calculations and measurements, including
 - length
 - quantities
 - volumes
 - conversion rates
- converting measurements between metric and imperial
- safe lifting techniques

- manual handling techniques
- normal well servicing operations
- non-routine well servicing operations
- equipment characteristics, technical capabilities and limitations.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - personal protective equipment
 - equipment required to carry out rig lease operations
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- 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 the required 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 have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must 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 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.

Links

Companion Volume implementation guides is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>