



Australian Government

RIISV503E Manage and monitor rig-up operations

Release: 1

RIIWSV503E Manage and monitor rig-up 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 manage and monitor rig-up operations in drilling and well servicing. It prepares individuals to plan to manage and monitor rig-up operations, commence operations and prepare well control mix fluid.

It applies to those working in management roles. They generally perform tasks involving a high level of autonomy which require the application of significant judgement in planning and determining the selection of equipment, roles and techniques for themselves and others. They are required to demonstrate the application of a broad range of technical, managerial, coordination and planning skills.

Licensing, legislative and certification requirements that may 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 (Well Servicing)

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. Plan and prepare to manage and monitor rig-up operations	1.1 Obtain, confirm and apply work instructions for the allocated task 1.2 Access, interpret and apply activity documentation 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 Confirm personnel coordination requirements at the site are met prior to commencement of work activities

ELEMENT	PERFORMANCE CRITERIA
2. Commence operations	2.1 assess rig up well servicing program and communicate details 2.2 identify number and expertise of personnel required and obtained according to job requirements 2.3 assign crews tasks, communicate requirements verbally and supervise performance 2.4 assess safety requirements and communicate to all parties 2.5 undertake equipment checks and rectify and report faults as required according to legislative and company requirements 2.6 establish effluent disposal 2.7 supervise spotting and rig assembly and rectify performance issues as required 2.8 arrange and supervise engine power start-up
3. Prepare well control mix fluid	3.1 enforce fluid preparation and environmental requirements with crew members 3.2 confirm circulation and rig up with crew 3.3 undertake safety inspection, confirm with crew and confirm compliance with regulatory and company requirements 3.4 check fluid mixing procedure and properties against well servicing program and confirm verbally with crew

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
Reading	Identifies critical information from the organisational plan and work programs
Problem-solving	Applies problem solving processes to identify risks, evaluate options and determine solutions
Teamwork	Identify and implement coaching and mentoring arrangements and design required training plans

Unit Mapping Information

Supersedes and is equivalent to RIIWSV503D Manage and monitor rig up 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 RIIWSV503E Manage and monitor rig-up operations

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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:

- manage and monitor rig-up operations on at least two occasions, including:
 - interpreting well servicing rig up program and communicating to team members
 - identifying and assigning resources
 - assessing and implementing work health and safety requirements
 - establishing effluent disposal systems
 - coordinating engine power start-up.

During the above, the candidate must:

- locate and apply legislation, documentation, policies and procedures required to manage and monitor rig-up operations
- work with others to manage and monitor rig-up 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 determine coordination requirements throughout 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 legislation required for managing and monitoring rig-up operations
- key policies, procedures and established requirements for managing and monitoring rig-up operations, including those for:
 - establishing and maintaining safe procedures for operating equipment
 - checking equipment and rectifying and reporting equipment faults

- establishing and maintaining rig up procedures
- maintaining safe rigging and dogging practices
- identifying auxiliary equipment functions and service requirements
- specific auxiliary rig up sequence
- preparing well control mix fluid
- safety and environmental issues
- using communication equipment
- establishing and preparing for emergency procedures
- establishing and maintaining preventative maintenance
- adhering to workplace relations and award conditions.

Assessment Conditions

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

- include access to:
 - personal protective equipment
 - equipment required to manage and monitor rig-up 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 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 Companion Volume 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.

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