



Australian Government

RIIOGD504E Manage drilling operations

Release: 1

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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 implement drill management strategies, manage work health and safety obligations and oversee drilling and housekeeping operations in drilling.

This unit is appropriate for 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 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. Plan and prepare for managing drilling operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation for managing drilling 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 to the work activities

ELEMENT	PERFORMANCE CRITERIA
	1.5 Confirm personnel coordination requirements at the site are met prior to commencement of work activities 1.6 Determine anticipated budget for drilling operations
2. Implement drill management strategies	2.1 Obtain and check copies of contract and well program, design implementation strategies and communicate to relevant personnel 2.2 Prepare daily drilling written reports and tour sheets according to workplace procedures 2.3 Undertake inspections of operating site and camp, record and report 2.4 Establish communication strategies and confirm with operator's representative 2.5 Review, interpret and confirm company requirements 2.6 Implement and communicate reporting procedures according to workplace procedures 2.7 Establish and communicate rig maintenance arrangements
3. Manage work health and safety obligations	3.1 Implement and conduct crew meetings, record minutes and communicate to relevant personnel 3.2 Establish, implement, monitor, record and report safety inspection strategies 3.3 Induct new employees into site operations and establish monitoring strategies 3.4 Establish, implement, monitor and document permit-to-work procedures 3.5 Identify and implement emergency response arrangements 3.6 Identify, implement, monitor and document environmental and company requirements 3.7 Identify, rectify and report variances to relevant personnel
4. Oversee drilling operations	4.1 Obtain, confirm and clarify drill program 4.2 Select and access drilling plant, tools and equipment, confirm fit-for-service and report and repair any faults 4.3 Establish and monitor reporting mechanisms 4.4 Implement, maintain and monitor well control and blowout prevention strategies and report 4.5 Identify and investigate non-conformances, report and implement corrective strategies 4.6 Carry out and monitor appropriate tests and report
5. Oversee housekeeping activities	5.1 Clean, check, perform maintenance on and store plant, tools and equipment 5.2 Report issues identified with plant, tools and equipment

ELEMENT	PERFORMANCE CRITERIA
	5.3 Compare planned budget with outcome of operating costs and identify reasons for discrepancies

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
Problem-solving	• Applies problem solving processes to identify risks, evaluate options and determine solutions

Unit Mapping Information

Supersedes and is equivalent to RIIOGD504D Manage drilling operations.

Links

Companion Volume implementation guides is found on VETNet -

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