



Australian Government

RIIOGD403D Conduct drilling operations

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIIOGD403A Conduct drilling 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 apply conduct drilling operations in Drilling.

This unit is appropriate for those working in supervisory roles where risk needs to be managed.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Drilling

Elements and Performance Criteria

1. Plan and prepare for drilling operations	<p>1.1 Access, interpret and apply drilling operations documentation and ensure compliance the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify, address and report potential hazards, risks and environmental issues and implement control measures</p> <p>1.4 Select and wear personal protective equipment appropriate to the work activities</p> <p>1.5 Communicate emergency response and work health and safety requirements, including the possibility of wellbore influx and well</p>
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	<p>control, to crew members</p> <p>1.6 Resolve and maintain coordination requirements with others at the site prior to commencing, during, and on completion of work activities</p> <p>1.7 Check, clean and lubricate equipment, including mud riser/conductor/connections and rectify and report faults</p> <p>1.8 Check tool requirements and assembled in wellhead area</p>
2. Commence drilling operations	<p>2.1 Identify, obtain, interpret and clarify drilling program requirements</p> <p>2.2 Undertake surface hole drilling</p> <p>2.3 Commence intermediate and main hole drilling operations</p> <p>2.4 Monitor, maintain and record drilling parameters in line with drilling program</p> <p>2.5 Calculate and maintain kill sheet requirements and carry out and record integrity tests</p> <p>2.6 Maintain accurate tubular tallies</p> <p>2.7 Inspect and prepare casing running tools and casing for operation</p>
3. Maintain drilling operations	<p>3.1 Undertake cementing preparations</p> <p>3.2 Run casing and prepare for cementing</p> <p>3.3 Undertake preparations, and give assistance in drilling stem tests and logging and coring operations</p> <p>3.4 Instruct crew on safe core recovery procedures</p> <p>3.5 Put arrangements in place for nippling-up and drilling out</p>
4. Drill intermediate and/or main holes	<p>4.1 Obtain, read, clarify and confirm drilling program/timing schedule</p> <p>4.2 Check equipment and tools for sizing and integrity and rectify or report faults</p> <p>4.3 Maintain hole within deviation limits</p> <p>4.4 Adhere to sound drilling and safety practices during nippling-up and pressure testing operations</p>
5. Prepare for hole abandonment	<p>5.1 Confirm program for completion or abandonment</p> <p>5.2 Check tools/equipment for integrity and rectify or report faults</p> <p>5.3 Complete written reports</p>
6. Conduct	<p>6.1 Clean, check, maintain and store plant, tools and equipment</p>

housekeeping activities	6.2	Report issues identified with plant, tools and equipment
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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>