



Australian Government

RIISAM215D Carry out drilling industry operational maintenance

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIISAM215A Carry out drilling Industry operational maintenance
2	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 carry out operational maintenance in Drilling.

This unit is appropriate for those working in operational 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 carry out drilling Industry operational maintenance	1.1 Access, interpret and apply drilling service and maintenance documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear appropriate personal protective equipment for the work activity Communicate and coordinate activities with others throughout the work activity 1.5 Obtain and interpret emergency procedures and be ready for fire/accident/emergency
2. Carry out	2.1 Carry out pre drilling checks

pre-drilling checks and maintenance	2.2 Complete workplace and/or site documentation 2.3 Access and apply lubrication schedule 2.4 Top up fluid levels and bleed lines 2.5 Check filters and clean/replace 2.6 Check security of all circulation systems 2.7 Ensure cabin and windscreen are clean and seat belts and windscreen washer function
3. Perform machine checks	3.1 Carry out equipment inspection, servicing and lubrication 3.2 Identify faults or potential faults 3.3 Observe isolation/tag out/lock out procedures 3.4 Identify, record and/or report requirement for repair or maintenance and critical time line for rectification 3.5 Monitor effectiveness of maintenance performed
4. Maintain all down hole tools and other drilling consumables	4.1 Carry out component maintenance 4.2 Maintain and store tools and consumables
5. Perform machinery maintenance	5.1 Access and apply scheduled machinery servicing, maintenance and overhauls 5.2 Use tag out/lock out when servicing 5.3 Carry out minor servicing of equipment 5.4 Carry out routine inspection, servicing, lubrication and housekeeping tasks 5.5 Read and apply instructions on maintenance procedures, lubrication tasks and filter change/service 5.6 Identify, record and replace worn parts 5.7 Conduct diagnostic and troubleshooting techniques and take remedial action 5.8 Identify operational faults in and maintain hydraulic systems 5.9 Report service and repair requirements and take remedial action
6. Perform equipment and machinery field repairs	6.1 Isolate and rectify equipment faults 6.2 Identify extent of repair needed and obtain spare parts 6.3 Identify, select and use tools required for maintenance and repairs

	6.4 Identify and return re-usable parts/components or accessories
	6.5 Review equipment and re-set in response to site conditions
	6.6 Identify system faults and formulate appropriate responses within agreed time lines
	6.7 Maintain service records
	6.8 Dismantle, assess, service, repair, reassemble and test drill components

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

RIISAM215A Carry out drilling industry operational maintenance

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>