



Australian Government

RIISAM502D Manage general drilling equipment maintenance

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIISAM502A Manage general drilling equipment 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 manage general drilling equipment maintenance in Drilling.

This unit is appropriate for those working in management 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 for managing drilling equipment maintenance	1.1 Access, interpret and apply service and maintenance documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify, address and report potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for the work activity 1.5 Communicate and coordinate activities with others prior to, during and on completion of the work activity
2. Manage movement of stock	2.1 Identify plant, tools and equipment required for equipment maintenance 2.2 Cost and plan delivery of stock, parts and consumables from

	suppliers 2.3 Prepare and maintain checklist of all materials and spares 2.4 Arrange for materials and spare parts to be stored safely and securely 2.5 Identify wear to parts and relative frequency of replacement and determine replacement costs 2.6 Develop and implement procedures for issue, return and recording of stock movement 2.7 Maintain written records of parts usage
3. Plan and organise drilling equipment maintenance and overhauls	3.1 Identify type and frequency of routine maintenance tasks 3.2 Coordinate and communicate equipment maintenance and service, ensuring downtime is minimised 3.3 Monitor performance of routine maintenance schedules, identify and rectify variances 3.4 Investigate and arrange alternate suppliers for obtaining back-up or replacement equipment/stock 3.5 Maintain written maintenance records
4. Evaluate new and used equipment	4.1 Test materials and equipment to ensure continuing serviceability 4.2 Monitor availability of new and used equipment 4.3 Evaluate costs/benefits of replacing equipment, and develop recommendations for the purchase/lease of replacement equipment 4.4 Maintain written records and produce reports
5. Maintain inventories of all items needed on site	5.1 Monitor individual machine records 5.2 Implement a stock control system to record stock levels, usages and maintain economic stock levels 5.3 Maintain inventory levels, calculate/estimate requirements, place orders for stock and equipment in advance and ensure availability 5.4 Monitor performance of stock control system, identify and rectify variances 5.5 Use approved requisition/purchasing procedures to order parts and supplies 5.6 Implement and maintain a hazardous substances/chemicals register 5.7 Ensure resources/stock required for servicing is available 5.8 Implement procedures to prevent/minimise waste or damage to spare parts in storage 5.9 Report any problems with stock control or availability of parts to

	relevant personnel
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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

RIISAM502C Manage general drilling equipment maintenance

Links

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