



**Australian Government**

# **RIISAM314D Manage oil and gas drilling equipment maintenance**

**Release: 2**

# RIISAM314D Manage oil and gas drilling equipment maintenance

## Modification History

| Release | Comment   |
|---------|---|
| 1       | This unit replaces RIISAM314A Manage oil and gas drilling equipment maintenance   |
| 2       | Required frequency and volume of evidence amended in Performance evidence.<br>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 oil and gas drilling equipment maintenance in Drilling (Oil/Gas).

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 (Oil/Gas)

## Elements and Performance Criteria

|  |  |
|--|--|
| 1. Plan and prepare for oil and gas drilling equipment maintenance | <p>1.1 Access, interpret and apply service and maintenance documentation and ensure 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 for the work activity</p> <p>1.5 Obtain and interpret emergency procedures and be ready for fire/accident/emergency</p> <p>1.6 Resolve coordination requirements with others prior to commencing and during work activities</p> |
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|                                       |  |
|---------------------------------------|--|
| 2. Check new and used equipment       | 2.1 Test materials and equipment regularly<br>2.2 Monitor availability of new and used equipment<br>2.3 Evaluate costs/benefits of replacing equipment, and recommend/implement the purchase/lease of replacement equipment<br>2.4 Check stock levels and order spare parts and consumables<br>2.5 Maintain communication between operators, company and suppliers<br>2.6 Check manufacturer's manuals/company procedures for currency and relevancy |
| 3. Organise maintenance and overhauls | 3.1 Determine type and frequency of maintenance tasks<br>3.2 Organise equipment maintenance and service to ensure availability is maintained and downtime minimised<br>3.3 Monitor performance of maintenance schedules and take corrective action if necessary<br>3.4 Arrange sources for obtaining back up or replacement equipment<br>3.5 Allocate personnel to carry out maintenance tasks   |

## 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

RIISAM314B Manage oil and gas 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>