



Australian Government

RIISAM209D Carry out operational maintenance

Release: 2

RIISAM209D Carry out operational maintenance

Modification History

Release	Comment
1	This unit replaces RIISAM209A Carry out 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 the Drilling and Metalliferous Mining Industries.

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

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare to carry out operational 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 and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear personal protective equipment appropriate to the work activities 1.5 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency 1.6 Resolve coordination requirements with others prior to commencing and during work activities
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2. Perform pre-start checks and maintenance	2.1 Inspect and carry out pre-start checks on equipment 2.2 Complete site and/or company checklist sheet 2.3 Lubricate all systems 2.4 Check and top up fluid levels and bleed 2.5 Check filters and clean or replace 2.6 Check security of all circulation systems 2.7 Check safety appliances are fitted and in serviceable condition 2.8 Keep cabin, seat belts and windscreen clean and windscreen washer functioning
3. Perform equipment checks	3.1 Carry out timed and regular equipment checks, servicing and lubrication and record details 3.2 Identify faults or potential faults and report immediately 3.3 Obtain, confirm and apply isolation, tag out and 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 tools, components and consumables	4.1 Maintain tools and components 4.2 Maintain and store tools and consumables in good condition
5. Carry out hot work	5.1 Clear area around the worksite of flammable material 5.2 Position fire extinguishers at company recommended locations 5.3 Undertake hot work in compliance with district fire controls 5.4 Liaise with spotter during hot work operations 5.5 Inspect the area prior to leaving to ensure that no potential exists for later combustion
6. Perform equipment maintenance	6.1 Perform scheduled equipment servicing, maintenance and overhauls 6.2 Use tag out and/or lock out when servicing 6.3 Carry out minor servicing of equipment avoiding disruption to production 6.4 Carry out routine inspection, servicing, lubrication and housekeeping tasks 6.5 Identify and change worn parts and record relative frequency of replacement

	6.6 Identify operational faults in and maintain hydraulic, pneumatic and drive systems 6.7 Report service and repair requirements and take action 6.8 Undertake diagnostics and troubleshooting and take action
7. Perform field repairs	7.1 Isolate and rectify equipment faults 7.2 Identify extent of repair needed and obtain spare parts 7.3 Identify, select and use tools required for maintenance and repairs 7.4 Return re-usable components or accessories 7.5 Review equipment and re-set in response to variations in production needs 7.6 Recognise system faults and formulate appropriate responses within agreed time lines 7.7 Maintain records of action taken 7.8 Dismantle, assess, service, repair, reassemble and test a given component

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

RIISAM209B Carry out operational maintenance

Links

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