



Australian Government

RIISAM209E Carry out operational maintenance

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to carry out operational maintenance in the resources and infrastructure industries.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take responsibility for the quality of own work outcomes.

Licensing, legislative and certification requirements may apply to this unit and can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Drilling

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to carry out operational maintenance	1.1 Obtain, interpret, and confirm work requirements 1.2 Access, interpret and apply documentation and procedures 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for the work activities 1.5 Obtain and interpret emergency procedures and prepare for emergency situations within scope of own role 1.6 Determine coordination requirements with others prior to

ELEMENT	PERFORMANCE CRITERIA
	commencing and during work activities
2. Perform prestart checks and maintenance	2.1 Inspect and carry out prestart checks on equipment 2.2 Complete site and company checklist sheets 2.3 Lubricate all systems according to workplace procedures 2.4 Check and top up fluid levels and bleed according to workplace procedures 2.5 Check filters and clean or replace as required according to workplace procedures 2.6 Check security of all circulation systems 2.7 Check safety appliances are fitted and meet requirements for workplace activities 2.8 Keep cabin, seat belts and windscreen clean and windscreen washer functioning according to manufacturer specifications
3. Perform equipment checks	3.1 Carry out timed and regular equipment checks and record details 3.2 Identify faults and potential faults and report immediately to relevant personnel 3.3 Obtain and confirm isolation, tag out and lock out procedures 3.4 Identify, record and report equipment that requires repairs or maintenance in a timely manner 3.5 Monitor the effectiveness of maintenance performed
4. Carry out hot work	4.1 Clear area around the worksite of flammable material 4.2 Position fire extinguishers at company recommended locations 4.3 Undertake hot work in compliance with regulatory and worksite fire controls 4.4 Communicate with spotter during hot work operations 4.5 Inspect the worksite to confirm that no potential exists for later combustion
5. Perform equipment maintenance	5.1 Perform scheduled equipment, components and consumables servicing, maintenance and overhauls according to workplace procedures 5.2 Use tag out or lock out procedures to isolate the equipment during servicing 5.3 Carry out minor servicing of equipment in a timely manner according to workplace procedures 5.4 Carry out routine inspections, servicing, lubrication and housekeeping tasks according to workplace procedures 5.5 Identify and change used parts and record the frequency of replacement 5.6 Identify operational faults in and maintain hydraulic, pneumatic and drive systems according to workplace procedures

ELEMENT	PERFORMANCE CRITERIA
	5.7 Record details of maintenance action completed 5.8 Inspect and check plant and equipment for serviceability, and identify, rectify and report any faults
6. Perform field repairs	6.1 Isolate and rectify equipment faults according to workplace procedures 6.2 Identify the extent of repair needed and obtain the required parts 6.3 Identify, select and use tools required for maintenance and repairs 6.4 Return the re-usable tools and parts 6.5 Recognise system faults and formulate appropriate responses within agreed timelines 6.6 Maintain records of action taken 6.7 Dismantle, assess, service, repair, reassemble and test components

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Writing	Produces and completes written documents required for workplace procedures
Numeracy	Calculates resource requirements, including use of basic addition, subtraction, multiplication and division
Self-management	Monitors and minimises own exposure to worksite risks and hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIISAM209D Carry out operational maintenance.

Links

Companion Volume Implementation Guides is found on VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>