



**Australian Government**

# **RIISAM208E Perform plant operational maintenance**

**Release: 1**

## RIISAM208E Perform plant operational maintenance

### 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 perform plant 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 work outcomes.

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

### 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 for plant operational maintenance | <ul style="list-style-type: none"><li>1.1 Obtain, interpret and confirm work requirements</li><li>1.2 Access, interpret and apply documentation required to perform plant operation maintenance</li><li>1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures according to workplace procedures</li><li>1.4 Select and wear personal protective equipment appropriate for work activities</li><li>1.5 Select appropriate plant, tools and equipment for the job, inspect them for serviceability and rectify or report any faults prior to commencement of work activities</li><li>1.6 Obtain and interpret emergency procedures, and be prepared for emergency situations</li></ul> |
| 2. Conduct planned routine                            | <ul style="list-style-type: none"><li>2.1 Identify and interpret the maintenance schedule, and coordinate the resource requirements with relevant personnel according to</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| ELEMENT                              | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                    |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| maintenance                          | workplace procedures<br>2.2 Complete planned routine maintenance according to workplace procedures<br>2.3 Record any follow-up action required according to workplace procedures                                                                                                                                        |
| 3. Conduct breakdown maintenance     | 3.1 Determine the extent of breakdown maintenance required with relevant personnel<br>3.2 Complete breakdown maintenance according to workplace procedures<br>3.3 Record details of maintenance action completed or required according to workplace procedures                                                          |
| 4. Conduct temporary repairs         | 4.1 Identify the location of the problem<br>4.2 Assess the requirement for temporary repairs with relevant personnel and acquire the required resources<br>4.3 Complete the repair according to workplace procedures<br>4.4 Record details of temporary repairs completed or required according to workplace procedures |
| 5. Finalise the maintenance activity | 5.1 Clear work area and dispose of materials according to workplace procedures<br>5.2 Clean and maintain the plant and equipment, inspect for ensure serviceability and rectify or report any faults or issues to relevant personnel<br>5.3 Process written maintenance records according to workplace procedures       |

## 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                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading            | <ul style="list-style-type: none"> <li>Identifies and interprets information from workplace procedures, documentation and regulations</li> </ul> |
| Writing            | <ul style="list-style-type: none"> <li>Produces and completes written documents required for workplace procedures</li> </ul>                     |
| Self-management    | <ul style="list-style-type: none"> <li>Monitors and minimises own exposure to worksite risks and hazards during activities</li> </ul>            |
| Oral communication | <ul style="list-style-type: none"> <li>Uses a range of communication techniques and systems to communicate with others</li> </ul>                |

## Unit Mapping Information

Supersedes and is equivalent to RIISAM208D Perform plant operational maintenance.

## Links

Companion Volume implementation guides is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

# Assessment Requirements for RIISAM208E Perform plant operational maintenance

## Modification History

| Release   | Comments                                                                                                 |
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## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- perform plant operational maintenance on at least two occasions, including:
  - interpreting the maintenance schedule and coordinating resources
  - completing planned routine maintenance
  - evaluating the extent of work required to fix the breakdown
  - completing breakdown maintenance
  - completing temporary repairs
  - recording details of maintenance action completed and/or follow-up action required
  - completing housekeeping activities.

During the above, the candidate must:

- locate and apply relevant documentation, policies and procedures and confirm that the work activity is compliant
- implement the requirements, procedures and techniques for performing plant operational maintenance
- work effectively with others to perform plant operational maintenance in a way that meets all required outcomes
- communicate clearly and concisely with others to receive and clarify work instructions and to determine coordination requirements prior to commencing and during work activities.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key policies, procedures and documentation required to perform plant operational maintenance, including:

- site and equipment safety requirements
- equipment and plant operational procedures
- site equipment and plant maintenance procedures
- site environmental requirements and constraints related to operational maintenance activities
- principles and techniques for identifying equipment and plant types, characteristics, capabilities and limitations
- principles and techniques for identifying relevant hazards and emergencies
- techniques for coordinating and communicating job activities with others.

## Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
  - personal protective equipment
  - equipment related to perform plant operational maintenance
  - relevant documentation
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment\* provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

## Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge

- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current\*\* work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

| Industry sector                                                                              | AQF indicator level***                                                                                                                                                                                                                                                                                                         | Required assessor or industry subject matter expert experience |
|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure | 1                                                                                                                                                                                                                                                                                                                              | 1 year                                                         |
|                                                                                              | 2                                                                                                                                                                                                                                                                                                                              | 2 years                                                        |
| Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure | 3-6                                                                                                                                                                                                                                                                                                                            | 3 years                                                        |
| Other sectors                                                                                | Where this unit is being assessed outside of the resources and infrastructure sectors assessor and/or industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no industry standard is specified should comply with any relevant regulation. |                                                                |

\*Guidance on simulated environments has been stipulated in the Companion Volume Implementation Guide located on VETNet.

\*\*Assessors can demonstrate current work experience through employment within industry in a role relevant to the outcomes of the unit; or, for external assessors this can be demonstrated through exposure to industry by conducting a minimum number of site assessments as determined by the relevant industry sector, across various locations.

\*\*\* While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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