



Australian Government

RIISAM401E Apply site plant, equipment and infrastructure maintenance management plans

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 apply site plant, equipment and infrastructure maintenance management plan in the resources and infrastructure industries.

It applies to those working in supervisory roles. They are generally responsible for the output of others, contribute to the development of technical solutions to non-routine problems and apply management plans to the workplace.

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.

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 application of the site plant, equipment and infrastructure maintenance management plan	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to supervise the operation of electrical equipment and installations 1.3 Identify, address and report potential hazards, risks and environmental issues and implement control measures according to workplace procedures 1.4 Select and wear personal protective equipment appropriate for the work activities 1.5 Access, interpret, confirm and communicate geological and survey data 1.6 Prepare a maintenance management plan, in consultation with relevant personnel to make use of available resources, plant, tools and equipment 1.7 Select and confirm availability of resources for the safe, effective and

ELEMENT	PERFORMANCE CRITERIA
	efficient conduct of maintenance management tasks 1.8 Coordinate activities with relevant personnel prior to commencement of, during, and on completion of the work
2. Monitor, adjust and report on execution of the maintenance management plan	2.1 Monitor execution of work activities against the maintenance management plan 2.2 Monitor site plant, equipment and infrastructure maintenance management plan performance to ensure achievement of planned outcomes 2.3 Identify and implement improvements to work programs and procedures 2.4 Complete and submit written reports as required by the maintenance management plan 2.5 Recommend corrective actions to improve safety, efficiency and effectiveness of the site plant, equipment and infrastructure maintenance management plan

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
Oral communication	Conveys information and requirements clearly, and listens carefully
Reading	Identifies and interprets relevant information from workplace procedures, documentation and regulations
Problem solving	Identifies a range of factors that impact on a decision, including own values and principles, the needs, power, values, beliefs and assumptions of stakeholders

Unit Mapping Information

Supersedes and is equivalent to RIISAM401D Apply site plant, equipment and infrastructure maintenance management plan.

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 RIISAM401E Apply site plant, equipment and infrastructure maintenance management plans

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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:

- apply site plant, equipment and infrastructure maintenance management plans on at least two occasions, including:
 - preparing a maintenance management plan
 - selecting and confirming available resources for the work activity
 - identifying and implementing improvements to work programs
 - complying with written and verbal reporting requirements and procedures.

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 applying site plant, equipment and infrastructure maintenance management plans, including:
 - identifying the relevant information and scope of the work necessary to meet the required outcomes
 - interpreting and applying operational performance data
 - identifying viable options and selecting options that best meet the required outcomes
 - applying procedures for choosing appropriate operational and construction techniques
 - applying procedures for choosing and assigning appropriate plant and equipment
 - applying work plans development and administration procedures
- work effectively with others to apply site plant, equipment and infrastructure maintenance management plans in a way that meets all required outcomes
- communicate clearly and concisely with others to receive and clarify work instructions
- provide team leadership.

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 apply site plant, equipment and infrastructure maintenance management plans, including:
 - hazard and risk identification and management
 - statutory compliance
 - work health and safety
 - environmental issues
 - quality assurance
- principles and techniques for:
 - completing the site plant, equipment and infrastructure maintenance management plan
 - applying team leadership techniques
 - applying operational techniques required for execution of the plan
 - identifying plant and equipment capabilities
 - applying work planning techniques
 - applying work monitoring methods
 - identifying relevant hazards and emergencies
 - accessing, interpreting and confirming geological and survey data
- 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 apply site plant, equipment and infrastructure maintenance management plans
 - 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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