



Australian Government

Department of Education, Employment and Workplace Relations

RIISAM401A Apply site plant, equipment and infrastructure maintenance management plan

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the application of the plant, equipment and infrastructure maintenance management plan in resources and infrastructure industries. It includes: planning, preparing for and initiating the maintenance management procedures; and monitoring, adjusting and reporting on the execution of the maintenance management plan.

Application of the Unit

This unit is appropriate for those working in supervisory or technical specialist roles, on worksites within:

- Civil construction
- Coal mining
- Drilling
- Extractive industries
- Metalliferous mining

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

<p>Elements describe the essential outcomes of a unit of competency.</p>	<p>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.</p>
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<p>1. Plan, prepare for and initiate maintenance management procedures</p>	<p>1.1. Access, interpret and apply compliance documentation relevant to applying the maintenance plan</p> <p>1.2. Access and share the geological and survey data required to complete the tasks</p> <p>1.3. Prepare an action plan, in consultation with involved people, which makes best use of the available resource and takes into account all applicable requirements and procedures</p> <p>1.4. Acquire and make available the necessary resources for the safe, effective and efficient conduct of maintenance management task in accordance with the site plant, equipment and infrastructure maintenance management plan and other requirements and procedures</p> <p>1.5. Issue clear and timely instructions to people involved in conducting maintenance tasks to ensure the safe, effective and efficient execution of the tasks</p>
<p>2. Monitor, adjust and report on execution of the maintenance management plan</p>	<p>2.1. Ensure safe, effective and efficient execution of tasks in accordance with the maintenance management plan and other requirements and procedures</p> <p>2.2. Monitor site plant, equipment and infrastructure maintenance management plan performance to ensure achievement of planned outcomes</p> <p>2.3. Initiate adjustments to work programs to take into account non achievement of planned outcomes</p> <p>2.4. Complete and submit reports as required by the maintenance management plan and other requirements and procedures</p> <p>2.5. Recommend changes to improve the safety, efficiency and effectiveness of the site plant, equipment and infrastructure maintenance management plan</p>

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

Specific skills are required to achieve the performance criteria in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to apply site plant, equipment and infrastructure maintenance management plan:

- apply legislative, organisation and site requirements and procedures
- provide team leadership
- apply procedures for choosing appropriate operational and construction techniques
- apply procedures for choosing and assigning appropriate plant and equipment
- apply work plans development and administration procedures

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following, as required to apply the site plant, equipment and infrastructure maintenance management plan:

- site risk, legislative compliance, health, safety, environmental, quality and communication requirements and procedures
- the site plant, equipment and infrastructure maintenance management plan
- team leadership techniques
- operational techniques required for execution of the plan
- plant and equipment capabilities
- work planning techniques
- work monitoring methods

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following:</p> <ul style="list-style-type: none"> • knowledge of the requirements, procedures and instructions for applying the site plant, equipment and infrastructure maintenance system • implementation of appropriate procedures and techniques for the safe, effective and efficient application of the site plant, equipment and infrastructure maintenance system • working with others to plan, prepare and apply the site plant, equipment and infrastructure maintenance system • provision of clear and timely instruction and supervision by the individual of those involved in the application of the site plant, equipment and infrastructure maintenance system • evidence of the consistent successful application of the site plant, equipment and infrastructure maintenance system
Context of and specific resources for assessment	<ul style="list-style-type: none"> • This unit must be assessed in the context of the work environment. Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job.

	<ul style="list-style-type: none"> • Customisation of assessment and delivery environment to sensitively accommodate cultural diversity. • Aboriginal people and other people from a non English speaking background may have second language issues. • Assessment of this competency requires typical resources normally used in a resources and infrastructure sector environment. Selection and use of resources for particular worksites may differ due to the site circumstances. • Where applicable, physical resources should include equipment modified for people with disabilities. • Access must be provided to appropriate learning and/or assessment support when required.
<p>Method of assessment</p>	<p>This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods:</p> <ul style="list-style-type: none"> • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • implementation of appropriate procedures and techniques for the safe, effective and efficient achievement of the required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • working with others to plan, prepare and apply the site plant, equipment and infrastructure maintenance system • provision of clear and timely instruction and supervision by the individual of those involved in the application of the site plant, equipment and infrastructure maintenance system
<p>Guidance information for assessment</p>	<p>Consult the SkillsDMC User Guide for further information on assessment including access and</p>

	equity issues
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Range Statement

<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.</p>	
<p>Relevant compliance documentation may include:</p>	<ul style="list-style-type: none"> • legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
<p>Geological data may include relevant site specific information in relation to:</p>	<ul style="list-style-type: none"> • rock type and characteristics • faults and joints • water tables or other water sources
<p>Survey data may include relevant site specific information in relation to:</p>	<ul style="list-style-type: none"> • floor heights • bench widths • grades
<p>Resources may include:</p>	<ul style="list-style-type: none"> • labour • materials • services • equipment
<p>The site plant, equipment and infrastructure maintenance plan may include:</p>	<ul style="list-style-type: none"> • scheduling requirements • limitation on tasks to be performed by site personnel • nominated suppliers • contact management requirements • administration, including records and reports • oil sampling requirements • housekeeping requirements • cleaning requirements • waste disposal requirements • maintenance of records • inspection requirements • stock take techniques and requirements • risk, legislative compliance, health, safety, environmental, quality and communication

	requirements
Plant, equipment and infrastructure maintenance may include:	<ul style="list-style-type: none">• preserve the value of assets• maintenance or serviceability
Instructions may issued in briefings, handovers, and work orders and may include:	<ul style="list-style-type: none">• nature and scope of tasks• achievement targets• operational conditions• obtaining permits required• site layout• out-of-bounds areas• worksite inspection requirements• lighting conditions• plant or equipment defects• hazards and potential hazards• coordination requirements or issues

Unit Sector(s)

Service and Maintenance

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.