



Australian Government

RIISAM212D Service mine plant and equipment

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIISAM212A Service mine plant and equipment
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 Service mine plant and equipment in the Resources and Infrastructure Industry.

This unit is appropriate for those working in operational roles.

No licencing, legislation, or certification requirements apply to this unit at the time of publication.

Elements and Performance Criteria

1. Plan and prepare for servicing plant and equipment	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 for the work activity 1.5 Receive, interpret and clarify shift servicing requirements 1.6 Access and apply safety information and procedures 1.7 Conduct pre-start checks on the service vehicle 1.8 Check and top up service vehicle levels of fuel, lubricants and water 1.9 Maintain the service bay/equipment 1.10 Identify and source replacement parts and service tools 1.11 Obtain and interpret emergency procedures and be prepared
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	for fire/accident/emergency
2. Service mine plant and equipment	2.1 Communicate and coordinate with others, to arrange preparatory activities, timing and location of servicing 2.2 Conduct start-up, park-up and shut-down procedures on service vehicle 2.3 Operate service vehicle appropriately 2.4 Conduct servicing of plant and equipment 2.5 Dispose of used oils and lubricants 2.6 Complete servicing schedule and/or records

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

RIISAM212A Service mine plant and equipment

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIISAM212D Service mine plant and equipment

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- works effectively with others to undertake and complete the servicing of plant and equipment that meets all of the required outcomes including:
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements prior to commencing and during work activities
- demonstrates completion of the servicing of plant and equipment that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - conducting pre-start checks on the service vehicle
 - checking and topping up service vehicle levels of fuel, lubricants and water
 - maintaining the service bay/equipment
 - identifying and sourcing replacement parts and service tools
 - conducting start-up, park-up and shut-down procedures on service vehicle
 - operating service vehicle
 - servicing of plant and equipment
 - completing servicing schedule and/or records

Knowledge Evidence

The candidate must demonstrate knowledge in servicing plant and equipment through:

- equipment characteristics, technical capabilities and limitations
- and using fuel and lubricant applications and specifications
- filter applications and specifications
- additives applications and specifications
- hazardous chemical systems

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's 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 this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years

Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 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.	

*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 frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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