



Australian Government

RIISAM307D Service and maintain crushers

Release: 2

RIISAM307D Service and maintain crushers

Modification History

Release	Comment
1	This unit replaces RIISAM307A Service and maintain crushers
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 and maintain crushers in Civil construction, Metalliferous and Coal mining, and Extractive.

This unit is appropriate for those working in operational roles.

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

Unit Sector

Civil construction

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare to service and maintain crushers	1.1 Access, interpret and apply crusher service and maintenance documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify, address and report potential hazards, risks and environmental issues 1.4 Select and wear personal protective equipment appropriate for the work activity 1.5 Obtain and interpret emergency procedures and be ready for fire/accident/emergency 1.6 Set up and schedule work and resolve coordination requirements
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	with others at the site prior to commencing, during and on completion of work activities
2. Carry out service and repairs	2.1 Carry out inspection of crushers, fault find and report outcomes 2.2 Select, check for faults and use appropriate servicing and maintenance tools 2.3 Select and operate servicing and maintenance items 2.4 Carry out servicing of crushers 2.5 Carry out maintenance of crushers 2.6 Recognise and respond to hazardous and emergency situations 2.7 Dispose of waste, including used oil, lubricants and other materials 2.8 Check for faults, return and secure all tools and re-usable items 2.9 Maintain servicing and maintenance 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

RIISAM307A Service and maintain crushers

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 RIISAM307D Service and maintain crushers

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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
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of servicing and maintaining crushers including:
- identifying, addressing and reporting potential hazards and risks
 - controlling identified hazards
 - identifying, addressing and reporting environmental issues
 - preparing written records and reports
 - undertaking inspections and fault finding
 - applying site and manufacturer's requirements and procedures for servicing and maintenance of the site's crushers
 - applying isolation and lock-out requirements and procedures
 - working in confined spaces
- works effectively with others to undertake service and maintain crushers in a way that meets all of the required outcomes including:
 - preparing for and organising work activities to meet all task requirements
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to coordinate work activities

- demonstrates completion of the servicing and maintenance of the site's crusher that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - carrying out pre-start, start-up, park-up and shutdown procedures
 - servicing and maintaining crushers
 - operating equipment controls, monitoring gauges and systems
 - conducting safety checks
 - operating equipment within specified limitations and capabilities

Knowledge Evidence

The candidate must demonstrate knowledge in the servicing and maintaining of crushers through:

- accessing, interpreting and applying legislative, organisation and site requirements and procedures for:
 - identifying and managing risks
 - identifying, addressing and reporting environmental issues
 - setting up work activity
 - work health and safety
 - identifying and correcting operational faults
 - selecting and checking for faults, all plant, tools and equipment to carry out tasks
- applying site and manufacturer's requirements and procedures

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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