



Australian Government

RIIPRO301D Conduct crushing and screening plant operations

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIIPRO301A Conduct crushing and screening plant operations
2	Performance Criteria amended to remove repetition
3	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 develops a participant's skills and knowledge required to conduct crushing and screening plant operations in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in operational roles

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

Unit Sector

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for crushing and screening operations	1.1 Access, interpret and apply crushing and screening documentation and ensure compliance to the activity 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 use/wear correct personal protective equipment appropriate for work activities 1.5 Ensure area is well ventilated before entry 1.6 Inspect and prepare work area and equipment in coordination
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	with others 1.7 Prepare a work plan according to site procedures 1.8 Select and check for faults, tools and equipment, for work activities 1.9 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Operate the crushing and screening plant	2.1 Carry out pre-start, start-up, run and shutdown procedures 2.2 Coordinate activities with others prior to commencing and during work activities 2.3 Select and modify the operating technique to meet changing work conditions 2.4 Use approved dust suppression and extraction methods 2.5 Conduct, control and monitor operations within the equipment limitations, maintaining crushing and screening efficiency and effectiveness 2.6 Act on or report performance monitoring systems and alarms 2.7 Complete the work plan
3. Carry out post-operational procedures	3.1 Inspect, fault-find and report faults 3.2 Carry out operational maintenance, servicing, lubricating and housekeeping tasks 3.3 Maintain, process and pass on records and reports

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

RIIPRO301C Conduct crushing and screening plant operations

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 RIIPRO301D Conduct crushing and screening plant operations

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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 crushing and screening plant operations that meets all of the required outcomes including:
 - using a range of communications techniques and equipment to convey information to others
 - complying with written and verbal reporting requirements and procedures
 - clarifying work requirements and instructions
 - inspecting and preparing work area and equipment
- demonstrates completion of crushing and screening plant operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - completing work plan
 - completing post operational procedures
 - carrying out pre-start, start up and shutdown procedures
 - conducting dust suppression and extraction activities
 - carrying out, control and monitor crushing and screening operations
 - identify and respond to alarms and signals

Knowledge Evidence

The candidate must demonstrate knowledge in conducting crushing and screening plant operations through:

- site product characteristics
- plant components functions, characteristics, technical capability and limitations
- technical information
- using site layout and plans
- being prepared for fire/accident/emergency

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 must be assessed in the context of this sector's work environment; 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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